55 Jonspin Road Project: 0103 SDG 528	Tetra T	ech i	NUS Inc						Date:	10/4/01
SDG Site S									Project:	01032
Site N0564-032 Site N0564-032 Site N0564-032 Site N0564-032 Sample ID: 020038 Sample Name: Control Method: 100.5SGR Septiment Stage Status Sex: Date Days to	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	OP							•	5286
Replicate: E	∕Vilmin	gton,	MA 01	887-	1062					N0564-0322
Larvae Life Emergence Status Sex: Emerged Days to Date Days To Died Mortality Date(s) Paired Male Pairing	Sample	ID: 0	20038	Sam	ple Name	e: Control			Method: 100.5S0	SR
Number Stage Status Sex: Emerged Emergence Died Mortality Date(s) Paired Male Pairing	Replicate	e: E								
2 A C M 7/25/01 28 7/31/01 6 3 A C F 7/28/01 31 7/29/01 1 7/28/01 20038D2 Proportion Emerged: 0.17 Average Days To Emergence 29.5 Average Days to Mortality 3.5 Replicate: F Larvae Number Stage Emergence Status Date Emergence Days To Emergence Proportion Emerged: 0.00 Average Days To Emergence Proportion Emerged: 0.00 Average Days To Emergence Proportion Emerged: 0.00 Average Days To Emergence Proportion Emerged: 0.00 Date Emergence Days To Emergence Proportion Emerged: 0.00 Date Days To Date Emergence Days To Emergence Proportion Emerged: 0.00 Date Days To Date Days To Date Proportion Emerged: 0.00 Days To Date Proportion Emerged: 0.00 Male Pairing A C F 8/301 37 8/601 40 8/9/01 3 8/301 20038M Average Days To Emergence Proportion Emerged: 0.03 Average Days To Emergence Days To Emergence Days To Emergence Days To Mortality Date(s) Paired Male Pairing 1 A C M 7/26/01 29 8/1/01 6 Emergence Days To Mortality Date(s) Paired Male Pairing			•	Sex:		•			Date(s) Paired	Male Pairing
3 A C F 7/28/01 31 7/29/01 1 7/28/01 20038D2	1	L	N							
Proportion Emerged: 0.17 Average Days To Emergence 29.5 Average Days to Mortality 3.5 Replicate: F Larvae Life Emergence Number Stage Status Sex: Date Days To Emergence Died Days To Mortality Date(s) Paired Male Pairing 0 N Proportion Emerged: 0.00 Average Days To Emergence Died Days To Mortality Replicate: G Larvae Life Emergence Status Sex: Emerged Emergence Died Days To Mortality Date(s) Paired Male Pairing 1 A C M 7/20/01 23 7/29/01 9 2 A C M 7/21/01 24 7/24/01 3 3 A C F 8/3/01 37 8/6/01 3 8/3/01 20038M 4 A C F 8/6/01 40 8/9/01 3 8/6/01 20038N Proportion Emerged: 0.33 Average Days To Emergence Died Days To Mortality Date(s) Paired Male Pairing Replicate: H Larvae Life Emergence Days To Emergence 31.0 Average Days to Mortality 4.5 Replicate: H Larvae Life Emergence Status Sex: Emerged Emergence Died Mortality Date(s) Paired Male Pairing 1 A C M 7/26/01 29 8/1/01 6	2	Α	С	M	7/25/01	28				5000555
Replicate: F Larvae Life Stage Status Sex: Emerged Emergence Died Mortality Date(s) Paired Male Pairing 0 N Proportion Emerged: 0.00 Average Days To Emergence Died Mortality Date(s) Paired Male Pairing Replicate: G Larvae Life Emergence Status Sex: Emerged Emergence Died Mortality Date(s) Paired Male Pairing 1 A C M 7/20/01 23 7/29/01 9 2 A C M 7/21/01 24 7/24/01 3 3 A C F 8/3/01 37 8/6/01 3 8/3/01 20038M 4 A C F 8/3/01 40 8/9/01 3 8/6/01 20038N Proportion Emerged: 0.33 Average Days To Emergence Died Mortality Date(s) Paired Male Pairing Replicate: H Larvae Life Emergence Status Sex: Date Days To Emergence Died Mortality Date(s) Paired Male Pairing 1 A C M 7/26/01 29 8/1/01 6	3	Α	С	F	7/28/01	31	7/29/01	1	7/28/01	20038D2
Larvae Life Stage Status Sex: Emerged Emergence Days to Emergence Died Mortality Date(s) Paired Male Pairing O N Proportion Emerged: 0.00 Average Days To Emergence Died Mortality Replicate: G Larvae Life Stage Status Sex: Emerged Emergence Died Days To Mortality 1 A C M 7/20/01 23 7/29/01 9 2 A C M 7/21/01 24 7/24/01 3 3 A C F 8/3/01 37 8/6/01 3 8/3/01 20038M 4 A C F 8/6/01 40 8/9/01 3 8/6/01 20038N Proportion Emerged: 0.33 Average Days To Emergence Died Days To Mortality Date(s) Paired Male Pairing Replicate: H Larvae Life Emergence Status Sex: Emerged Emergence Days To Mortality Date(s) Paired Male Pairing Male Pairing	Proportion	portion Emerged: 0.17 Average Days To Emergence 29							Average Days to Mort	ality 3.5
Number Stage Status Sex: Emerged Emergence Died Mortality Date(s) Paired Male Pairing Name of	Replicati	e: F								
Replicate: G			. •	Sex:		•		•	Date(s) Paired	Male Pairing
Replicate: G Larvae Life Emergence Status Sex: Emerged Emergence Died Mortality Date(s) Paired Male Pairing 1 A C M 7/20/01 23 7/29/01 9 2 A C M 7/21/01 24 7/24/01 3 3 A C F 8/3/01 37 8/6/01 3 8/3/01 20038M 4 A C F 8/6/01 40 8/9/01 3 8/6/01 20038N Proportion Emerged: 0.33 Average Days To Emergence 31.0 Average Days to Mortality 4.5 Replicate: H Larvae Life Emergence Status Sex: Emerged Emergence Died Mortality Date(s) Paired Male Pairing 1 A C M 7/26/01 29 8/1/01 6	0		N							
Larvae Number Life Number Emergence Status Date Emerged Days to Emergence Date Days To Montality Date Montality Days To Montality Date Montality Days To Montality Date Montality	Proportio	n Emer	ged: 0.00		Average D	ays To Eme	rgence		Average Days to Mort	ality
Number Stage Status Sex: Emerged Emergence Died Mortality Date(s) Paired Male Pairing 1 A C M 7/20/01 23 7/29/01 9 2 A C M 7/21/01 24 7/24/01 3 3 A C F 8/3/01 37 8/6/01 3 8/3/01 20038M 4 A C F 8/6/01 40 8/9/01 3 8/6/01 20038M Proportion Emerged: 0.33 Average Days To Emergence 31.0 Average Days to Mortality 4.5 Replicate: H Larvae Life Emergence Days To Died Mortality Date(s) Paired Male Pairing 1 A C M 7/26/01 29 8/1/01 6	Replicat	e: G								
2 A C M 7/21/01 24 7/24/01 3 3 A C F 8/3/01 37 8/6/01 3 8/3/01 20038M 4 A C F 8/6/01 40 8/9/01 3 8/6/01 20038N Proportion Emerged: 0.33 Average Days To Emergence 31.0 Average Days to Mortality 4.5 Replicate: H Larvae Life Emergence Status Sex: Emerged Emergence Died Mortality Date(s) Paired Male Pairing 1 A C M 7/26/01 29 8/1/01 6				Sex:		-		•	Date(s) Paired	Male Pairing
3 A C F 8/3/01 37 8/6/01 3 8/3/01 20038M 4 A C F 8/6/01 40 8/9/01 3 8/6/01 20038N Proportion Emerged: 0.33 Average Days To Emergence 31.0 Average Days to Mortality 4.5 Replicate: H Larvae Life Emergence Status Sex: Emerged Emergence Died Mortality Date(s) Paired Male Pairing 1 A C M 7/26/01 29 8/1/01 6	1	Α	С	М	7/20/01	23	7/29/01	9		
4 A C F 8/6/01 40 8/9/01 3 8/6/01 20038N Proportion Emerged: 0.33 Average Days To Emergence 31.0 Average Days to Mortality 4.5 Replicate: H Larvae Life Emergence Status Sex: Emerged Emergence Died Mortality Date(s) Paired Male Pairing 1 A C M 7/26/01 29 8/1/01 6	2	Α	С	M	7/21/01	24	7/24/01	-		
Proportion Emerged: 0.33 Average Days To Emergence 31.0 Average Days to Mortality 4.5 Replicate: H Larvae Life Emergence Days to Date Days To Date Days To Number Stage Status Sex: Emerged Emergence Died Mortality Date(s) Paired Male Pairing 1 A C M 7/26/01 29 8/1/01 6	3	Α				= :				
Replicate: H Larvae Life Emergence Date Days to Date Days To Number Stage Status Sex: Emerged Emergence Died Mortality Date(s) Paired Male Pairing 1 A C M 7/26/01 29 8/1/01 6	4	Α	С	F	8/6/01	40	8/9/01	3		
Larvae Life Emergence Status Sex: Emerged Emergence Died Mortality Date(s) Paired Male Pairing 1 A C M 7/26/01 29 8/1/01 6	Proportio	n Emer	ged: 0.33		Average [Days To Em	ergence	31.0	Average Days to Mor	tality 4.5
Number Stage Status Sex: Emerged Emergence Died Mortality Date(s) Paired Male Pairing 1 A C M 7/26/01 29 8/1/01 6	Replicat	te: H								
The state of the s			-	Sex:		_			Date(s) Paired	Male Pairing
Proportion Emerged: 0.08 Average Days To Emergence 29.0 Average Days to Mortality 6.0	1	Α	С	М	7/26/01	29	8/1/01	6		
	Proportio	on Eme	rged: 0.08		Average	Days To Em	ergence	29.0	Average Days to Mo	rtality 6.0

		NUS Inc						Date:	10/4/01
5 Jon	spin	Road						Project:	01032
								SDG	5286
Vilmin	gton,	MA 01	1887-	1062				Site:	N0564-0322
Sample	ID: 0	20039	Sam	ple Name	: D03424	IPSD-F	PPO3-062	Method: 100.5SGR	
Replicat	e: A								
Larvae Number	Life Stage	Emergence Status	Sex:	Date Emerged	Days to Emergence	Date Died	Days To Mortality	Date(s) Paired	Male Pairing
1	A	E							
2	A	Ε	_	***	24	8/4/01	3	8/1/01	20039F3
3	Α	c	F	8/1/01					
Proportio	n Emerç	ged: 0.25		Average D	ays To Emen	gence	21.0	Average Days to Mortalit	y 3.0
Replicat	e: B								
Larvae Number	Life Stage	Emergence Status	Sex:	Date Emerged	Days to Emergence	Date Died	Days To Mortality	Date(s) Paired	Male Pairing
1	Α	С	F	8/1/01	21	8/3/01	2	8/1/01	20039B2
2	Α	С	М	8/1/01	21	8/7/01	6		2002054
3	Α	С	F	8/5/01	25	8/8/01	3	8/7/01	20039E4 20039M
4	Α	С	F	8/8/01	28	8/13/01	5	8/10/01	20039M
5	Α	С	F	8/9/01	29	8/10/01	1	8/9/01	20039W
Proportio	n Emer	ged: 0.42	_	Average D	ays To Emer	rgence	24.8	Average Days to Mortali	ty 3.4
Replica	te: C								
Larvae Number	Life Stage	Emergence Status	Sex:	Date Emerged	Days to Emergence	Date Died	Days To Mortality	Date(s) Paired	Male Pairing
1	Α	E					_	014 104	20039C3
2	Α	С	F	8/1/01	21	8/3/01	2	8/1/01	2003903
3	Α	С	M	8/1/01	21	8/3/01	2 1		
4	A	С	M	8/2/01	22	8/3/01 8/2/01	0		
5	A	C	F	8/2/01 8/3/01	22 23	8/7/01	4	8/4/01,8/6/01	20039F3,20039E4
6	A	C	F						lity 1.8
Proportio	on Eme	rged: 0.50		Average [ays To Eme	rgence	21.8	Average Days to Mortal	ity 1.6
Replica	ite: D								
Larvae Number	Life Stage	Emergence Status	Sex:	Date Emerged	Days to Emergence	Date Died	Days To Mortality	Date(s) Paired	Male Pairing
1	A	С	М	7/30/01	19	8/1/01	2		
2	Â	Ċ	F	7/31/01	20	8/2/01	2	7/31/01	20039F2
-								Average Days to Morta	lity 2.0

U		rged: 0.50			Days To Eme		21.8	Average Days to M	ortality 4.2		
5 6	A	C	F M	8/4/01 8/4/01	24 24	8/6/01 8/4/01					
									20039G3		
3 4	A	C C	M F	7/31/01 8/1/01	20 21	8/7/01	6	8/1/01, 8/2/01	20039H1, 20039C4,		
2	A	C	F	7/31/01	20 20	8/7/01 8/6/01	7 6	7751701			
1	Α	E	_	70404	00	0/7104	7	7/31/01			
Larvae Number			Sex:	Date Emerged	Days to Emergence	Date Died	Days To Mortality	Date(s) Paired	Male Pairing		
Replica				Dete	Dave to	Data	Dave To				
Proportio	n Emer	ged: 0.42		Average [Days To Eme	rgence	22.0	Average Days to Mo	ortality 2.8		
5	A	Ċ	F	8/4/01	24	8/4/01	0				
4	Ā	Ċ	F	8/4/01	24	8/7/01	3	8/4/01	20039G3		
2 3	A A	C	M	7/31/01	20	8/6/01	6				
1	A	E	м	7/31/01	20	8/2/01	2				
Number		Status	Sex:	Emerged	Emergence	Died	Mortality	Date(3) Parieu	Water Land		
Replicat Larvae	Life	Emergence	0	Date	Days to	Date	Days To	Date(s) Paired	Male Pairing		
roportio	n Emen	ged: 0.50		Average D	ays To Emer	gence	23.6	Average Days to Mo	rtality 3.6		
7	Р				·						
6	A	С	F	8/5/01	25	8/9/01	4	8/2/01	20039E4		
5	A	С	F	8/5/01	25	8/9/01	4	8/2/01	20039E4		
4	A	C	M	8/5/01	25	8/8/01	3				
3	A	Ċ	F	8/2/01	22	8/3/01	1	8/2/01	20039G3		
1 2	A A	E C	F	8/1/01	21	8/7 <i>/</i> 01	6	8/2/01, 8/3/01	20039C3,20039B2		
Larvae Number	Life Stage	Ernergence Status	Sex:	Date Emerged	Days to Emergence	Date Died	Days To Mortality	Date(s) Paired	Male Pairing		
Replicat		_		D -4-	Davis to	Data	Dave Te				
Sample	ID: (020039	San	npie Nam	e: D03424	IPSD-F	PPO3-062	Method: 100.5S	GR		
Vilmir	igton,	, MA U	1007-	·1062 ———							
A.F.L			1007	4000				SDG Site:	5286 N0564-0322		
101	ispin	Road						•			
E 1	i_	NUS Inc						Date: Project:	10/4/01 01032		

 Tetra Tech NUS Inc
 Date:
 10/4/01

 55 Jonspin Road
 Project:
 01032

 SDG
 5286

 Wilmington, MA
 01887-1062
 Site:
 N0564-0322

Sample ID: 020039 Sample Name: D03424 IPSD-PPO3-062 Method: 100.5SGR

Replicate: H

Larvae Number	Life Stage	Emergence Status	Sex:	Date Emerged	Days to Emergence	Date Died	Days To Mortality	Date(s) Paired	Male Pairing
1	Α	С	М	7/31/01	20	8/2/01	2		
2	Α	С	М	7/31/01	20	7/31/01	0		
3	Α	С	F	7/31/01	20	7/31/01	0		
Proportio	n Emer	ged: 0.25		Average [Days To Eme	rgence	20.0	Average Days to Mortali	ty 0.7

Tetra Tech NUS Inc	Date:	10/4/01
55 Jonspin Road	Project:	01032
·	SDG	5286
Wilmington, MA 01887-1062	Site:	N0564-0322
 		

Sample Name: D03429 IPSD-TTSA01-06 Method: 100.5SGR Sample ID: 020040

Replicate: A

Larvae Number	Life Stage	Emergence Status	Sex:	Date Ernerged	Days to Emergence	Date Died	Days To Mortality	Date(s) Paired	Male Pairing
1	Α	E							
2	Α	С	М	7/31/01	20	8/2/01	2		
3	Α	С	M	8/5/01	25	8/10/01	5		
Proportio	n Emer	ged: 0.25		Average [Days To Eme	rgence	22.5	Average Days to Mortality	3.5

Replicate: B

Larvae Number	Life Stage	Ernergence Status	Sex:	Date Emerged	Days to Emergence	Date Died	Days To Mortality	Date(s) Paired	Male Pairing
1	Α	С	F	7/30/01	19	8/2/01	3	7/31/01	20040H1
2	Α	. с	М	8/1/01	21	8/1/01	0		
3	Α	С	M	8/2/01	22	8/2/01	0		
4	Α	С	F	8/3/01	23	8/5/01	2	8/3/01	20040B5
5	Α	С	M	8/3/01	23	8/6/01	3		
6	Α	С	F	8/4/01	24	8/4/01	0		
7	Α	С	M	8/6/01	26	8/8/01	2		
8	Α	С	F	8/7 <i>/</i> 01	27	8/8/01	1	8/7/01	20040G6
9	Α	С	F	8/10/01	30	8/15/01	5	8/10/01	20040P
Proportion Emerged: 0.75			Average [Days To Eme	rgence	23.9	Average Days to Mo	rtality 1.8	

Replicate: C

Proportion Emerged: 0.75

.arva e Number	Life Stage	Emergence Status	Sex:	Date Emerged	Days to Emergence	Date Died	Days To Mortality	Date(s) Paired	Male Pairing
1	Α.	С	М	8/2/01	22	8/5/01	3		
2	Α	С	F	8/4/01	24	8/4/01	0		
3	Α	С	F	8/4/01	24	8/4/01	0		
4	Α	С	F	8/8/01	28	8/10/01	2	8/8/01	20040E6
5	A	С	F	8/8/01	28	8/11/01	3	8/8/01	20040E6
6	Α	С	F	8/9/01	29	8/10/01	1	8/9/01	20040N
							25.0	Average Dave to Me	ortality 1.5

Proportion Emerged: 0.50 Average Days To Emergence 25.8 Average Days to Mortality

 Tetra Tech NUS Inc
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 55 Jonspin Road
 Project:
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Sample ID: 020040 Sample Name: D03429 IPSD-TTSA01-06 Method: 100.5SGR

Replicate: D

Larvae Number	Life Stage	Emergence Status	Sex:	Date Emerged	Days to Emergence	Date Died	Days To Mortality	Date(s) Paired	Male Pairing
1	A	С	м	8/2/01	22	8/7/01	5		
2	Α	, с	М	8/5/01	25	8/8/01	3		
3	Α	С	F	8/7/01	27	8/10/01	3	8/7/01	20040H8
4	Α	С	M	8/8/01	28	8/10/01	2		
5	Α	С	F	8/9/01	29	8/10/01	1	8/9/01	20040F8
6	Α	С	F	8/9/01	29	8/12/01	3	8/9/01	20040F8
7	Α	С	М	8/10/01	30	8/15/01	5		20040D9
8	Α	С	F	8/11/01	31	8/17/01	6	8/11/01	
9	Α	С	M	8/11/01	31	8/15/01	4		
10	Α	С	М	8/11/01	31	8/16/01	5		
11	Α	С	M	8/18/01	38	8/19/01	1		

Proportion Emerged: 0.92 Average Days To Emergence 29.2 Average Days to Mortality 3.5

Replicate: E

Larvae Number	Life Stage	Emergence Status	Sex:	Date Emerged	Days to Emergence	Date Died	Days To Mortality	Date(s) Paired	Male Pairing
1	Α	С	М	7/31/01	20	8/5/01	5		
2	Α	С	М	8/1/01	21	8/4/01	3		
3	Α	С	F	8/3/01	23	8/5/01	2	8/3/01	20040E1
4	Α	С	F	8/4/01	24	8/6/01	2	8/4/01	20040F1
5	Α	С	F	8/5/01	25	8/6/01	1	8/5/01	20040D2
6	A	. с	М	8/8/01	28	8/13/01	5		

Proportion Emerged: 0.50 Average Days To Emergence 23.5 Average Days to Mortality 3.0

Replicate: F

Larvae Number	Life Stage	Emergence Status	Sex:	Date Emerged	Days to Emergence	Date Died	Days To Mortality	Date(s) Paired	Male Pairing
1	Α	С	М	7/31/01	20	8/6/01	6		
2	Α	С	M	8/1/01	21	8/1/01	0		
3	A	С	F	8/2/01	22	8/5/01	3	8/2/01	20040D1
4	Α	С	F	8/2/01	22	8/4/01	2	8/2/01	20040E2
5	Α	С	F	8/4/01	24	8/5/01	1	8/4/01	20040C1
6	Α	С	F	8/6/01	26	8/10/01	4	8/6/01	20040B7
7	Α	С	М	8/8/01	28	8/11/01	3		
8	Α	С	M	8/9/01	29	8/12/01	3		
9	Α	С	м	8/11/01	31	8/15/01	4		

Proportion Emerged: 0.75 Average Days To Emergence 24.8 Average Days to Mortality 2.5

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Sample ID: 020040 Sample Name: D03429 IPSD-TTSA01-06 Method: 100.5SGR

Replicate: G

Larvae Number	Life Stage	Emergence Status	Sex:	Date Emerged	Days to Emergence	Date Died	Days To Mortality	Date(s) Paired	Male Pairing
1	Α	E							
2	Α	С	M	7/30/01	19	7/30/01	0		
3	Α	C	M	8/1/01	21	8/4/01	3		
4	Α	С	F	8/2/01	22	8/2/01	0		
5	Α	С	F	8/4/01	24	8/6/01	2	8/4/01	20040H3
6	Α	С	M	8/6/01	26	8/10/01	4		
7	Α	С	М	8/9/01	29	8/9/01	0		
8	Α	С	F	8/10/01	30	8/15/01	5	8/10/01	20040D7

Proportion Emerged: 0.67 Average Days To Emergence 24.4 Average Days to Mortality 2.0

Replicate: H

Larvae Number	Life Stage	Emergence Status	Sex:	Date Emerged	Days to Emergence	Date Died	Days To Mortality	Date(s) Paired	Male Pairing
1	A	С	М	7/30/01	19	8/3/01	4		
2	Α	С	M	7/30/01	19	8/3/01	4		
3	Α	С	М	8/2/01	22	8/7/01	5		
4	Α	С	F	8/2/01	22	8/4/01	2	8/2/01	20040H3
5	Α	С	F	8/3/01	23	8/8/01	5	8/3/01	20040H6
6	Α	С	М	8/3/01	23	8/5/01	2		
7	Α	С	F	8/5/01	25	8/7/01	2	8/5/01	20040A3
8	Α	С	M	8/6/01	26	8/10/01	4		

Proportion Emerged: 0.67 Average Days To Emergence 22.4 Average Days to Mortality 3.5

Tetra Tech NUS Ir	nc	Date:	10/4/01
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•		SDG	5286
Wilmington, MA	01887-1062	Site:	N0564-0322

Sample ID: 020041 Sample Name: D03476 IPSD-TTSD01-06 Method: 100.5SGR

Replicate: A

Larvae Number	Life Stage	Emergence Status	Sex:	Date Emerged	Days to Emergence	Date Died	Days To Mortality	Date(s) Paired	Male Pairing
1	A	С	F	8/1/01	21	8/4/01	3	8/1/01	20041C3
2	A	Ċ	F	8/3/01	23	8/4/01	1	8/3/01	20041E2
3	Α	c	F	8/5/01	25	8/6/01	1	8/5/01	20041D6
4	A	· c	F	8/9/01	29	8/10/01	1	8/9/01	20041C7
5	Α	С	F	8/10/01	30	8/10/01	0		

Proportion Emerged: 0.42 Average Days To Emergence 25.6 Average Days to Mortality 1.2

Replicate: B

Larvae Number	Life Stage	Emergence Status	Sex:	Date Emerged	Days to Emergence	Date Died	Days To Mortality	Date(s) Paired	Male Pairing
1	A	С	F	8/4/01	24	8/6/01	- ₂	8/4/01	20041D5
2	Α	С	М	8/4/01	24	8/4/01	0		
3	A	С	F	8/6/01	26	8/9/01	3	8/6/01	20041D5
4	A	C	F	8/7/01	27	8/9/01	2	8/7 <i>1</i> 01	20041C7
5	A	c	F	8/13/01	33	8/14/01	1	8/13/01	20041N

Proportion Emerged: 0.42 Average Days To Emergence 26.8 Average Days to Mortality 1.6

Replicate: C

Larvae Vumber	Life Stage	Emergence Status	Sex:	Date Emerged	Days to Emergence	Date Died	Days To Mortality	Date(s) Paired	Male Pairing
1	Α	E							
2	Α	. Е							
3	Α	С	M	8/1/01	21	8/9/01	8		
4	Α	С	M	8/1/01	21	8/1/01	0		
5	Α	С	M	8/2/01	22	8/2/01	0		
6	Α	С	M	8/2/01	22	8/5/01	3		
7	Α	С	М	8/7/01	27	8/11/01	4		

Proportion Emerged: 0.58 Average Days To Emergence 22.6 Average Days to Mortality 3.0

Tetra Tech NUS Inc	Date:	10/4/01
55 Jonspin Road	Project:	01032
	SDG	5286
Wilmington, MA 01887-1062	Site:	N0564-0322

Sample ID: 020041 Sample Name: D03476 IPSD-TTSD01-06 Method: 100.5SGR

Replicate: D

Larvae Number	Life Stage	Emergence Status	Sex:	Date Emerged	Days to Emergence	Date Died	Days To Mortality	Date(s) Paired	Male Pairing
1	Α	С	M	8/2/01	22	8/2/01	0		
2	Α	С	F	8/2/01	22	8/2/01	0		
3	Α	С	F	8/3/01	23	8/7/01	4	8/3/01	20041E3
4	Α	С	F	8/4/01	24	8/4/01	0		
5	Α	С	M	8/4/01	24	8/9/01	5		
6	Α	С	M	8/4/01	24	8/8/01	4		
7	Α	С	F	8/7/01	27	8/9/01	2	8/7/01	20041E3

Proportion Emerged: 0.58 Average Days To Emergence 23.7 Average Days to Mortality 2.1

Replicate: E

Larvae Number	Life Stage	Emergence Status	Sex:	Date Emerged	Days to Emergence	Date Died	Days To Mortality	Date(s) Paired	Male Pairing
1	Α	С	М	7/31/01	20	8/5/01	5		
2	Α	· c	M	8/1/01	21	8/6/01	5		
3	Α	С	M	8/3/01	23	8/9/01	6		
4	Α	С	M	8/5/01	25	8/7/01	2		
5	Α	С	М	8/6/01	26	8/10/01	4		
6	Α	С	F	8/6/01	26	8/8/01	2	8/6/01	20041E5
7	Α	С	F	8/6/01	26	8/10/01	4	8/6/01	20041E5

Proportion Emerged: 0.58 Average Days To Emergence 23.9 Average Days to Mortality 4.0

Replicate: F

Larvae Number	Life Stage	Emergence Status	Sex:	Date Emerged	Days to Emergence	Date Died	Days To Mortality	Date(s) Paired	Male Pairing
1	A	С	М	8/1/01	21	8/1/01	0		
2	Α	С	F	8/1/01	21	8/7/01	6	8/1/01	20041E2
3	Α	С	М	8/2/01	22	8/3/01	1		
4	Α	С	F	8/3/01	23	8/7/01	4	8/3/01, 8/5/01	20041F5, 20041F7
5	Α	С	М	8/3/01	23	8/5/01	2		
6	Α	С	F	8/4/01	24	8/9/01	5	8/4/01	20041D6
7	Α	С	М	8/5/01	25	8/10/01	5		
8	Α	С	M	8/10/01	30	8/15/01	5		
Proportio	n Emer	ged: 0.67		Average [Days To Eme	rgence	23.6	Average Days to N	Aortality 3.5

Tetra Tech NUS In	С	Date:	10/4/01
55 Jonspin Road		Project:	01032
•		SDG	5286
Wilmington, MA	01887-1062	Site:	N0564-0322

Sample ID: 020041 Sample Nam

Sample Name: D03476 IPSD-TTSD01-06 Method: 100.5SGR

Replicate: G

Larvae Number	Life Stage	Emergence Status	Sex:	Date Emerged	Days to Emergence	Date Died	Days To Mortality	Date(s) Paired	Male Pairing
1	A	E							
2	Α	С	F	8/2/01	22	8/7/01	5	8/2/01, 8/5/01	20041C6, 20041E4
3	A	С	F	8/5/01	25	8/6/01	1	8/5/01	20041D5
4	A	Ċ	F	8/7/01	27	8/10/01	3	8/7/01	20041F7
5	Α.	· c	F	8/9/01	29	8/11/01	2	8/9/01	20041F7
6	A	Ċ	M	8/10/01	30	8/14/01	4		
7	A	Ċ	F	8/11/01	31	8/11/01	0		

Proportion Emerged: 0.58 Average Days To Emergence 27.3 Average Days to Mortality 2.5

Replicate: H

Larvae Number	Life Stage	Emergence Status	Sex:	Date Emerged	Days to Emergence	Date Died	Days To Mortality	Date(s) Paired	Male Pairing
1	Α	E							
2	Α	С	F	8/6/01	26	8/8/01	2	8/6/01	20041D6
3	A	С	F	8/6/01	26	8/12/01	6	8/6/01	20041H4
4	Α	С	M	8/6/01	26	8/10/01	4		
5	Α	С	F	8/7/01	27	8/11/01	4	8/7/01	20041H6
6	Α	С	M	8/7/01	27	8/12/01	5		
Proportio	n Emen	ped: 0.50		Average [Days To Eme	rgence	26.4	Average Days to Mortality	4.2

	_								
− Γetra ⅂	Гесh	NUS Inc						Date:	10/4/0
		Road						Project:	0103
	. Ср	,						SDG	528
∕Vilmin	aton.	MA 0	1887-	1062				Site:	N0564-032
Sample		020072	San	nple Nam	e: D03486	IPSD-	TT04-0626	Method: 100.5S	GR
teplicate	e: A								
Larvae Number	Life Stage	Emergence Status	Sex:	Date Emerged	Days to Emergence	Date Died	Days To Mortality	Date(s) Paired	Male Pairing
1	Α	E							
2	Α	E							
3	Α	С	M	8/1/01	21	8/7/01	6		
4	Α	С	F	8/2/01	22	8/5/01	3	8/2/01	20072D4
5	Α	С	F	8/2/01	22	8/6/01	4	8/2/01	20072D5
roportio	n Emerç	ged: 0.42		Average D	ays To Emer	gence	21.7	Average Days to Mor	tality 4.3
Replicat	e: B								
Larvae Number	Life Stage	Emergence Status	Sex:	Date Emerged	Days to Emergence	Date Died	Days To Mortality	Date(s) Paired	Male Pairing
1	A	С	F	7/31/01	20	8/5/01	5	7/31/01	20072B2
2	Α	С	М	7/31/01	20	8/7/01	7		
3	Α	С	М	7/31/01	20	8/6/01	6		
4	Α	С	F	8/2/01	22	8/3/01	1	8/2/01	20072G5
5	Α	· с	F	8/2/01	22	8/5/01	3	8/2/01	20072G6
6	Α	С	M	8/5/01	25	8/5/01	0		
Proportio	n Emer	ged: 0.50		Average [ays To Eme	rgence	21.5	Average Days to Mor	tality 3.7
Replicat	te: C								
Larvae Number	Life Stage	Ernergence Status	Sex:	Date Ernerged	Days to Emergence	Date Died	Days To Mortality	Date(s) Paired	Male Pairing
1	Α	С	М	7/31/01	20	8/8/01	8		
2	Α	С	F	8/2/01	22	8/7/01	5	8/2/01	20072G3
3	Α	С	F	8/3/01	23	8/7 <i>/</i> 01	4	8/3/01, 8/5/01	20072C4, 20072G8
4	Α	С	M	8/3/01	23	8/5/01	2		202222
5	Α	С	F	8/6/01	26	8/7/01	1	8/6/01	20072E6

Average Days to Mortality 3.5

Average Days To Emergence 23.5

8/7/01

Proportion Emerged: 0.50

10/4/01 Date: Tetra Tech NUS Inc Project: 01032 55 Jonspin Road 5286 **SDG** Site: N0564-0322 Wilmington, MA 01887-1062

Sample ID: 020072

Sample Name: D03486 IPSD-TT04-0626 Method: 100.5SGR

Replicate: D

Larvae Number	Life Stage	Emergence Status	Sex:	Date Emerged	Days to Emergence	Date Died	Days To Mortality	Date(s) Paired	Male Pairing
1	Α	С	F	7/31/01	20	8/2/01	2	7/31/01	20072D2
2	A	C	М	7/31/01	20	8/3/01	3		
3	A	С	M	8/1/01	21	8/2/01	1		
4	A	С	M	8/1/01	21	8/6/01	5		
5	A	С	M	8/1/01	21	8/5/01	4		
6	A	С	M	8/3/01	23	8/8/01	5		
7	A	. с	F	8/7/01	27	8/10/01	3	8/7/01	20072E6
8	A	C	M	8/8/01	28	8/15/01	7		
							00.0	Average Dave to M	ortality 3.8

Proportion Emerged:

0.67

Average Days To Emergence 22.6

Replicate: E

Larvae Number	Life Stage	Emergence Status	Sex:	Date Emerged	Days to Emergence	Date Died	Days To Mortality	Date(s) Paired	Male Pairing
1	A	С	М	7/31/01	20	7/31/01	0		
2	A	C	М	8/1/01	21	8/5/01	4		
3	A	C	M	8/1/01	21	8/7/01	6		
4	A	C	F	8/2/01	22	8/3/01	1	8/2/01	20072G4
5	A	C	F	8/3/01	23	8/7/01	4	8/3/01	20072D6
6	A	c	М	8/6/01	26	8/13/01	7		
7	A	C	F	8/8/01	28	8/10/01	2		

Proportion Emerged:

0.58

Average Days To Emergence 23.0

Average Days to Mortality

Replicate: F

Larvae Number	Life Stage	Emergence Status	Sex:	Date Emerged	Days to Emergenœ	Date Died	Days To Mortality	Date(s) Paired	Male Pairing
1		С	F	7/31/01	20	8/1/01	1	7/31/01	20072F2
2	A	Ċ	М	7/31/01	20	8/7/01	7		
3	A	C	М	8/1/01	21	8/1/01	0		
4	A	c	F	8/2/01	22	8/3/01	1	8/2/01	20072H3
5	A	Ċ	F	8/3/01	23	8/4/01	1	8/3/01	20072E2

Proportion Emerged:

0.42

Average Days To Emergence 21.2

Average Days to Mortality

Tetra Tech NUS Inc Date: 10/4/01 55 Jonspin Road Project: 01032 **SDG** 5286 Wilmington, MA 01887-1062 Site: N0564-0322 Sample ID: 020072 Sample Name: D03486 IPSD-TT04-0626 Method: 100.5SGR Replicate: G Emergence Days to Larvae Life Date Date Days To Date(s) Paired Male Pairing Mortality Number Stage Status Sex: **Emerged Emergence** Died Ε 1 7 19 8/6/01 Ç 7/30/01 2 Α 7 С 21 8/8/01 3 Α M 8/1/01 C 8/2/01 22 8/6/01 5 C 8/2/01 22 8/7/01 5 Α M С 22 8/5/01 3 8/2/01 6 М 20072G5 8/3/01 C 8/3/01 23 8/4/01 1 8/4/01 8/9/01 5 Average Days To Emergence Average Days to Mortality 4.6 Proportion Emerged: 0.67 Replicate: H Days To Date Days to Date Life Larvae Emergence Male Pairing Date(s) Paired Mortality Number Stage Status Sex: Emerged Emergence Died 1 C М 8/1/01 21 8/1/01 0 Α

Proportion Emerged: 0.50 Average Days To Emergence 22.0 Average Days to Mortality 2.3

21

21

22

23

24

2

3

4

6

Α

Α

Α

Α

Α

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С

С

С

M

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8/1/01

8/1/01

8/2/01

8/3/01

8/4/01

8/6/01

8/5/01

8/4/01

8/3/01

8/7/01

5

4

2

0

3

8/2/01

8/4/01

20072H2

20072G8

etra T	ech I	NUS Inc						Date:	10/4/01
55 Jons	spin l	Road						Project:	01032
	•							SDG	5286
∕Vilming	gton,	MA 01	887-	1062				Site:	N0564-0322
Sample	ID: 0	20073	Sam	ple Name	e: D03491 I	PSD-H	1B00-0626	Method: 100.5SG	R
Replicate	: A								
Larvae Number	Life Stage	Emergence Status	Sex:	Date Emerged	Days to Emergence	Date Died	Days To Mortality	Date(s) Paired	Male Pairing
0	_	N							
Proportion	Emerg	ed: 0.00		Average D	ays To Emerg	ence		Average Days to Morta	lity
Replicate	e: B								
Larvae Number	Life Stage	Emergence Status	Sex:	Date Emerged	Days to Emergence	Date Died	Days To Mortality	Date(s) Paired	Male Pairing
1	A	С	М	7/30/01	19	7/30/01	0		
2	A	C	F	7/31/01	20	8/7 <i>/</i> 01	7	7/31/01	20073C1
3	Α	С	M	8/1/01	21	8/1/01	0		
4	Α	С	F	8/2/01	22	8/2/01	0		
Replicati Larvae Number	e: C Life Stage	Emergence Status	Sex:	Date Emerged	Days to Emergence	Date Died	Days To Mortality	Date(s) Paired	Male Pairing
1	Α	С	М	7/31/01	20	8/7/01	7		
2	Â	C	F	8/2/01	22	8/4/01	2	8/2/01	20073D1
3	A	C	F	8/2/01	22	8/4/01	2	8/2/01	20073D1
Proportio	n Emer	ged: 0.25		Average [Days To Eme	rgence	21.3	Average Days to Mort	ality 3.7
Replicat	te: D								
Larvae Number	Life Stage	Emergence Status	Sex:	Date Emerged	Days to Emergence	Date Died	Days To Mortality	Date(s) Paired	Male Pairing
1	Α	С	M	8/1/01	21	8/5/01			
2	A	· c	M	8/4/01	24	8/9/01	_	Q/E/M4	20073D2
3	Α	C	F	8/6/01	26 27	8/9/01 8/15/0 ⁻		8/6/01	2001002
4	A	<u> </u>	М	8/7/01	27 Days To Eme		24.5	Average Days to Mor	tality 5.0
Proportion	on Eme	rged: 0.33		Average	Days TO LING	ngence	24.0	,	•
Replica	te: E			_			Davis To		
Larvae Number	Life Stage	Emergence Status	Sex:	Date Emerged	Days to Emergence	Date Died	Days To Mortality	Date(s) Paired	Male Pairing
0		N						<u> </u>	
Proporti	on Erne	erged: 0.00)	Average	Days To Emo	ergenœ		Average Days to Mo	rtality
					_				

Tetra Tech NUS Inc Date: 10/4/01 55 Jonspin Road Project: 01032 SDG 5286 Wilmington, MA 01887-1062 Site: N0564-0322 Sample Name: D03491 IPSD-HB00-0626 Method: 100.5SGR Sample ID: 020073 Replicate: F Larvae Life Emergence Date Days to Date Days To Date(s) Paired Number Sex: Emerged Emergence Died Mortality Male Pairing Stage Status 0 N Average Days to Mortality Average Days To Emergence Proportion Emerged: 0.00 Replicate: G Date Days to Date Days To Life Emergence Larvae Male Pairing Died Mortality Date(s) Paired Sex: Emerged Emergence Number Stage Status 0 Ν Average Days to Mortality 0.00 Average Days To Emergence Proportion Emerged: Replicate: H Days To Date Days to Date Life Emergence Larvae Male Pairing Date(s) Paired Sex: Mortality Number Stage Status Emerged Emergence Died Ε Α 1 20073C1 C F 20 8/2/01 2 8/1/01 2 7/31/01 Α 0 8/1/01 3 Α С M 8/1/01 21 Average Days to Mortality Proportion Emerged: 0.25 Average Days To Emergence 20.5

	NUS Inc Road						Date: Project: SDG	10/8/01 01032 5286
jton,	MA 01	887-	1062				Site:	N0564-0322
D: 0	20074	Sam	ple Name	e: D03496	IPSD-T	T0603-06	Method: 100.5SC	SR
: A								
Life Stage	Emergence Status	Sex:	Date Emerged	Days to Emergence			Date(s) Paired	Male Pairing
Α	С	М	7/31/01	20	8/5/01	5		
A	С	F	8/5/01	25	8/7 <i>/</i> 01	2		
Α	С	M	8/10/01	30	8/13/01			
Emerg	ed: 0.25		Average D	ays To Emer	gence	25.0	Average Days to Mort	ality 3.3
: B								
Life Stage	Emergence Status	Sex:	Date Emerged	Days to Emergence	Date Died	Days To Mortality	Date(s) Paired	Male Pairing
	N							
Emer	sed: 0.00		Average C	Days To Eme	ngence		Average Days to Mort	ality
: C								
Life Stage	Emergence Status	Sex:	Date Emerged	Days to Emergence	Date Died	Days To Mortality	Date(s) Paired	Male Pairing
Stage	Status		Emerged	Emergence	Died	Mortality		Male Pairing 20074A3,20074C2
Stage A	Status	F	8/10/01				Date(s) Paired 8/10/01,8/13/01	
Stage	Status C · C		8/10/01 8/11/01	Emergence	Died 8/15/01 8/18/01	Mortality 5		20074A3,20074C2
Stage A A	Status C · C	F	8/10/01 8/11/01	Smergence 30 31	Died 8/15/01 8/18/01	Mortality 5 7	8/10/01,8/13/01	20074A3,20074C2
A A A Emen	C C C Ged: 0.17	F	8/10/01 8/11/01	30 31 Days To Eme	Died 8/15/01 8/18/01 ergence	Mortality 5 7	8/10/01,8/13/01	20074A3,20074C2
A A A Emen	C C C Ged: 0.17	F M	8/10/01 8/11/01 Average (30 31 Days To Eme	Died 8/15/01 8/18/01 ergence	Mortality 5 7 30.5 Days To	8/10/01,8/13/01 Average Days to Mor	20074A3,20074C2 tality 6.0
A A Emen	Status C C C Ged: 0.17 Emergence Status C	F M	8/10/01 8/11/01 Average 0 Date Emerged 8/8/01	20 31 Days To Eme	Died 8/15/01 8/18/01 ergence Date Died 8/9/01	Mortality 5 7 30.5 Days To Mortality	8/10/01,8/13/01 Average Days to Mor	20074A3,20074C2 tality 6.0 Male Pairing
A A Emen	Status C C C Ged: 0.17 Emergence Status C	F M	8/10/01 8/11/01 Average 0 Date Emerged 8/8/01	28	Died 8/15/01 8/18/01 ergence Date Died 8/9/01	5 7 30.5 Days To Mortality	8/10/01,8/13/01 Average Days to Mor	20074A3,20074C2 tality 6.0 Male Pairing
A A Emen	Status C C C ged: 0.17 Emergence Status C ged: 0.08	F M	8/10/01 8/11/01 Average (Date Emerged 8/8/01 Average (Days to Emergence 28 Days To Eme	Died 8/15/01 8/18/01 8rgence Date Died 8/9/01 argence	5 7 30.5 Days To Mortality	8/10/01,8/13/01 Average Days to Mor	20074A3,20074C2 tality 6.0 Male Pairing
A A Emerican D Life Stage A n Emerican	Status C C C ged: 0.17 Emergence Status C ged: 0.08	F M Sex:	Emerged 8/10/01 8/11/01 Average C Data Emerged 8/8/01 Average I Date Emerged 8/8/01	Days to Emergence 28 Days To Emergence 28 Days To Emergence 28 Days To Emergence 28 Days To Emergence	Died 8/15/01 8/18/01 rgence Date Died 8/9/01 rgence Date B/9/01 Rgence	Mortality 5 7 30.5 Days To Mortality 1 28.0 Days To Mortality 4	8/10/01,8/13/01 Average Days to Mor Date(s) Paired Average Days to Mo	20074A3,20074C2 tality 6.0 Male Pairing
A A Emerican D Life Stage A Emerican Emerican Emerican Etage	Status C C C ged: 0.17 Emergence Status C ged: 0.08 Emergence Status	F M Sex:	Benerged 8/10/01 8/11/01 Average C Data Emerged 8/8/01 Average C	Days to Emergence 28 Days To Emergence 28 Days To Emergence	Died 8/15/01 8/18/01 gence Date Died 8/9/01 ergence Date Died	Mortality 5 7 30.5 Days To Mortality 1 28.0 Days To Mortality 4	8/10/01,8/13/01 Average Days to Mor Date(s) Paired Average Days to Mo	20074A3,20074C2 tality 6.0 Male Pairing
A A Emen	Status C C C ged: 0.17 Emergence Status C ged: 0.08 Emergence Status C	F M Sex:	Emerged 8/10/01 8/11/01 Average C Data Emerged 8/8/01 Average I Date Emerged 8/8/01	Days to Emergence 28 Days To Emergence 28 Days To Emergence 28 Days To Emergence 28 Days To Emergence	Died 8/15/01 8/18/01 rgence Date Died 8/9/01 rgence Date B/9/01 Rgence	Mortality 5 7 30.5 Days To Mortality 1 28.0 Days To Mortality 4	8/10/01,8/13/01 Average Days to Mor Date(s) Paired Average Days to Mo	20074A3,20074C2 tality 6.0 Male Pairing
	pin I ton, D: 0 A Life Stage A A Emerg	pin Road Iton, MA 01 D: 020074 A Life Emergence Status A C A C Emerged: 0.25 B Life Emergence Status N Emerged: 0.00	pin Road Iton, MA 01887- D: 020074 Sam A Life Emergence Stage Status Sex: A C M A C F A C M Emerged: 0.25 B Life Emergence Stage Status Sex: N Emerged: 0.00	pin Road Iton, MA 01887-1062 D: 020074 Sample Name A Life Emergence Date Emerged A C M 7/31/01 A C F 8/5/01 A C M 8/10/01 Emerged: 0.25 Average D B Life Emergence Date Stage Status Sex: Emerged N Emerged: 0.00 Average D	pin Road Iton, MA 01887-1062 D: 020074 Sample Name: D03496 A . Life Emergence Date Days to Emerged Emergence A C M 7/31/01 20 A C F 8/5/01 25 A C M 8/10/01 30 Emerged: 0.25 Average Days To Emergence B Life Emergence Status Sex: Emerged Emergence N Emerged: 0.00 Average Days To Emergence	pin Road Iton, MA 01887-1062 D: 020074 Sample Name: D03496 IPSD-T A Life Emergence Date Days to Date Stage Status Sex: Emerged Emergence Died A C M 7/31/01 20 8/5/01 A C F 8/5/01 25 8/7/01 A C M 8/10/01 30 8/13/01 Emerged: 0.25 Average Days To Emergence B Life Emergence Status Sex: Emerged Emergence Died N Emerged: 0.00 Average Days To Emergence	pin Road Iton, MA 01887-1062 D: 020074 Sample Name: D03496 IPSD-TT0603-06 A . Life Emergence Date Days to Date Days To Stage Status Sex: Emerged Emergence Died Mortality A C M 7/31/01 20 8/5/01 5 A C F 8/5/01 25 8/7/01 2 A C M 8/10/01 30 8/13/01 3 Emerged: 0.25 Average Days To Emergence 25.0 B Life Emergence Status Sex: Emerged Emergence Died Mortality N Emerged: 0.00 Average Days To Emergence	Project: SDG Ston, MA 01887-1062 Site: D: 020074 Sample Name: D03496 IPSD-TT0603-06 Method: 100.5SC A Life Emergence Status Sex: Emerged Emergence Died Mortality Date(s) Paired A C M 7/31/01 20 8/5/01 5 A C F 8/5/01 25 8/7/01 2 A C M 8/10/01 30 8/13/01 3 Emerged: 0.25 Average Days To Emergence 25.0 Average Days to Mortality Date(s) Paired N Emerged: 0.00 Average Days To Emergence Died Mortality Date(s) Paired Average Days to Date Days To Date(s) Paired Average Days to Date Days To Date(s) Paired Average Days to Date Days To Date(s) Paired Average Days to Emergence Died Mortality Date(s) Paired Average Days to Emergence Died Mortality Date(s) Paired Average Days to Emergence Died Mortality Date(s) Paired

Tetra Tech NUS Inc Date: 10/4/01 01032 Project: 55 Jonspin Road SDG 5286 01887-1062 Site: N0564-0322 Wilmington, MA Method: 100.5SGR Sample Name: D03496 IPSD-TT0603-06 Sample ID: 020074 Replicate: F Days to Date Days To Life Emergence Date Larvae Male Pairing Date(s) Paired Sex: Mortality Emerged Emergence Died Number Stage Status. N 0 Average Days to Mortality Average Days To Emergence 0.00 Proportion Emerged: Replicate: G Days To Date Life **Emergence** Date Days to Larvae Date(s) Paired Male Pairing Mortality Status Sex: **Emerged Emergence** Died Number Stage Average Days to Mortality Average Days To Emergence 0.00 Proportion Emerged: Replicate: H Days To Date Days to Date Emergence Larvae Life Male Pairing Date(s) Paired Sex: Emerged Emergence Died Mortality Number Status Stage 8/2/01 20074A1 F 22 8/5/01 3 8/2/01 Α C 1 3.0 Average Days to Mortality Average Days To Emergence 22.0 80.0 Proportion Emerged:

Tetra Tech NUS I	nc	Date:	10/4/01
55 Jonspin Road		Project:	01032
•		SDG	5286
Wilmington, MA	01887-1062	Site:	N0564-322

Sample ID: 020118

Sample Name: D03504 IPSD-TTUF02-06 Method: 100.5SGR

Replicate: A

Larvae Number	Life Stage	Ernergence Status	Sex:	Date Emerged	Days to Emergence	Date Died	Days To Mortality	Date(s) Paired	Male Pairing
1	A	С	М	7/30/01	19	8/4/01	5		
2	A	С	F	8/2/01	22	8/5/01	3	8/2/01	20118E1
3	A	С	F	8/4/01	24	8/7/01	3	8/4/01, 8/5/01	20118A4, 20118C1
4	A	С	М	8/4/01	24	8/5/01	1		
5	A	С	F	8/8/01	28	8/10/01	2	8/9/01	20118E2
		0.42		Augman [Dave To Eme	mence	23.4	Average Days to I	Mortality 2.8

Proportion Emerged:

Average Days To Emergence 23.4

Replicate: B

Larvae Number	Life Stage	Emergence Status	Sex:	Date Emerged	Days to Emergence	Date Died	Days To Mortality	Date(s) Paired	Male Pairing
1	Α	C	М	8/1/01	21	8/1/01	0		
2	Α	С	M	8/1/01	21	8/6/01	5		
3	Α	С	F	8/2/01	22	8/2/01	0		
4	Α	С	F	8/3/01	23	8/5/01	2	8/3/01	20118D2
5	A	С	F	8/3/01	23	8/6/01	3	8/3/01	20118D2
6	Α	С	F	8/11/01	31	8/11/01	0		

Proportion Emerged:

0.50

Average Days To Emergence 23.5

Average Days to Mortality

Replicate: C

Larvae Number	Life Stage	Emergence Status	Sex:	Date Ernerged	Days to Emergence	Date Died	Days To Mortality	Date(s) Paired	Male Pairing
1	A	С	M	8/4/01	24	8/7 <i>/</i> 01	3	•	
2	A	С	F	8/13/01	33	8/18/01	5	8/13/01	20118M
3	A	С	F	8/18/01	38	8/22/01	4	8/18/01	20118M
4	Α	С	М	8/19/01	39	8/23/01	4		
5	A	C	F	8/23/01	43	8/27/01	4	8/23/01	20118P
Proportio	n Emen	ged: 0.42		Average [Days To Eme	rgence	35.4	Average Days to Mortality	4.0

10/4/01 Date: Tetra Tech NUS Inc 01032 55 Jonspin Road Project: SDG 5286 N0564-322 Site: Wilmington, MA 01887-1062

Sample ID: 020118

Sample Name: D03504 IPSD-TTUF02-06 Method: 100.5SGR

Replicate: D

Larvae Number	Life Stage	Emergence Status	Sex:	Date Emerged	Days to Emergence	Date Died	Days To Mortality	Date(s) Paired	Male Pairing
1	A	· c	F	7/31/01	20	8/4/01	4	7/31/01	20118A1
2	Α	С	M	8/1/01	21	8/7/01	6		
3	Α	С	F	8/4/01	24	8/8/01	4	8/4/01	20118C1
4	Α	С	M	8/7/01	27	8/7/01	0		
5	A	С	F	8/12/01	32	8/17/01	5	8/12/01, 8/16/01	20118H5, 20118O
								A David An Ar	to delite 2.0

Proportion Emerged:

0.42

Average Days To Emergence 24.8

Average Days to Mortality

Replicate: E

Larvae Number	Life Stage	Emergence Status	Sex:	Date Emerged	Days to Emergence	Date Died	Days To Mortality	Date(s) Paired	Male Pairing
1	A	С	M	8/2/01	22	8/6/01	4		
2	Α	С	М	8/6/01	26	8/10/01	4		
3	Α	С	F	8/7/01	27	8/9/01	2	8/7/01	20118E2
4	A	С	F	8/7/01	27	8/7/01	0		
5	A	С	М	8/10/01	30	8/14/01	4		
6	A	С	F	8/13/01	33	8/18/01	5	8/13/01	20118O
7	Α	С	F	8/15/01	35	8/15/01	0		
8	A	С	F	8/21/01	41	8/25/01	4	8/21/01	201180
9	Α	С	M	8/26/01	46	9/2/01	7		
10	Α	С	М	8/29/01	49	8/29/01	0		

Proportion Emerged:

0.83

Average Days To Emergence 33.6

Average Days to Mortality

Replicate: F

Larvae Number	Life Stage	Emergence Status	Sex:	Date Emerged	Days to Ernergence	Date Died	Days To Mortality	Date(s) Paired	Male Pairing
1	Α	С	F	7/31/01	20	8/5/01	5	8/1/01	20118A1
2	A	Č	F	8/2/01	22	8/5/01	3	8/2/01	20118B2
Proportio	n Emer	ned: 0.17		Average [Days To Emer	rgence	21.0	Average Days to Mortali	ty 4.0

Tetra Tech NUS I 55 Jonspin Road	nc	Date: Project:	10/4/01 01032
•	·	SDG	5286
Wilmington, MA	01887-1062	Site:	N0564-322

Sample ID: 020118

Sample Name: D03504 IPSD-TTUF02-06 Method: 100.5SGR

Replicate: G

Larvae Number	Life Stage	Emergence Status	Sex:	Date Ernerged	Days to Emergence	Date Died	Days To Mortality	Date(s) Paired	Male Pairing
1	Α	С	М	8/1/01	21	8/7/01	6		
2	Α	С	M	8/1/01	21	8/7/01	6		
3	A	С	F	8/1/01	21	8/2/01	1	8/1/01	20118G2
4	A	С	F	8/3/01	23	8/7/01	4	8/3/01	20118G2
5	A	С	F	8/3/01	23	8/3/01	0		
6	A	С	F	8/7/01	27	8/7/01	0		
Proportio	n Emer	ged: 0.50		Average [Days To Eme	rgence	22.7	Average Days to Mo	ortality 2.8

Replicate: H

Larvae Number	Life Stage	Emergence . Status	Sex:	Date Emerged	Days to Emergence	Date Died	Days To Mortality	Date(s) Paired	Male Pairing
1	Α	С	М	7/31/01	20	7/31/01	0		
2	Α	С	F	8/1/01	21			8/1/01	20118G1
3	Α	С	M	8/2/01	22	8/2/01	0		
4	A	С	M	8/2/01	22	8/2/01	0		
5	A	С	M	8/12/01	32	8/16/01	4		
roportio	n Emen	ged: 0.42		Average [Days To Eme	rgence	23.4	Average Days to Mortalit	y 1.0

81 0000615

Tetra Tech NUS Inc Date: 10/4/01 Project: 01032 55 Jonspin Road SDG 5286 Site: N0564-322 01887-1062 Wilmington, MA Sample Name: D03510 IPSD-TTUF03-06 Method: 100.5SGR Sample ID: 020119 Replicate: A Date Days To Date Days to Larvae Life Emergence Date(s) Paired Male Pairing Mortality Sex: Emergence Died Number Stage Status Emerged Ε 1 Α 21 8/9/01 8 C M 8/1/01 2 A 8/6/01 0 С M 8/6/01 26 3 Α С F 8/6/01 26 8/6/01 0 Α Average Days to Mortality 2.7 24.3 Proportion Emerged: 0.33 Average Days To Emergence Replicate: B Days To Date Days to Date Life Emergence Larvae Male Pairing Date(s) Paired **Emerged Emergence** Died Mortality Number Stage Status Sex: 8/5/01 20119D2 2 С F 8/5/01 25 8/7/01 Α 2.0 Average Days to Mortality Average Days To Emergence 0.08 Proportion Emerged: Replicate: C Life Emergence Date Days to Date Days To Larvae Male Pairing Date(s) Paired Mortality Sex: Emerged Emergence Died Status Number Stage 8/8/01 20119M 8/10/01 2 С 8/8/01 28 28.0 Average Days to Mortality 2.0 0.08 Average Days To Emergence Proportion Emerged: Replicate: D Days To Date Days to Larvae Life Emergence Date Male Pairing Date(s) Paired Status Sex: Emerged Emergence Died Mortality Number Stage 24 8/4/01 0 F 8/4/01 Α С 1 C М 8/4/01 24 8/8/01 4 2 Α 20119G3, 20119H2 8/5/01 25 8/9/01 4 8/5/01, 8/7/01 Α С 3 Average Days to Mortality 2.7 Average Days To Emergence 24.3 Proportion Emerged: 0.25

SDG Site SDG Site N0564-3			NUS Inc						Date:	10/4/01
Site: N0564-3 Site: N05	55 Jor	spin	Road						Project:	01032
Sample ID: 020119 Sample Name: D03510 IPSD-TTUF03-06 Method: 100.5SGR									SDG	5286
Replicate: E	Vilmir	gton,	, MA 01	1887-	1062				Site:	N0564-322
Larvae Life Emergence Status Sex: Emergend Date Days to Date Days To Date Mortality Date(s) Paired Male Pairing	Sample	ID: (020119	San	nple Name	e: D03510	IPSD-1	TUF03-0	6 Method: 100.5SC	GR
Number Stage Status Sex: Emerged Emergence Died Mortality Date(s) Paired Male Pairing	Replicat	e: E								
2 A C F 8/19/01 38 8/17/01 1 8/16/01 20119O 3 A C F 8/19/01 39 8/22/01 3 8/19/01 20119N 4 A C M 8/21/01 41 8/25/01 4 5 A C M 8/21/01 46 9/2/01 7 Proportion Emerged: 0.42 Average Days To Emergence 39.6 Average Days to Mortality 4.2 Replicate: F Larvae Life Emergence Number Stage Status Sex: Emerged Emergence Died Days To Date Status Sex: Date Days To Emergence Died Days To Date Status Sex: Date Days To Emergence Died Days To Date Status Sex: Date Days To Emergence Died Days To Date Days To Date Status Sex: Date Days To Emergence Died Days To Date Days To			•	Sex:		•			Date(s) Paired	Male Pairing
3 A C F 8/19/01 39 8/22/01 3 8/19/01 20119N 4 A C M 8/26/01 46 9/2/01 7 Proportion Emerged: 0.42 Average Days To Emergence 39.6 Average Days to Mortality 4.2 Replicate: F Larvae Life Emergence Stage Status Sex: Emerged Emergence Died Mortality Date(s) Paired Male Pairing 1 A C F 8/19/01 21 8/4/01 3 8/19/01 20119G1 2 A C M 8/19/01 25 8/9/01 4 8/5/01 20119G1 Proportion Emerged: 0.25 Average Days To Emergence Died Mortality Date(s) Paired Male Pairing Replicate: G Larvae Life Emergence Status Sex: Emerged Emergence Died Mortality Date(s) Paired Male Pairing 1 A C F 8/3/01 25 8/9/01 4 8/5/01 20119G1 Proportion Emerged: 0.25 Average Days To Emergence 22.3 Average Days to Mortality 2.3 Replicate: G Larvae Life Emergence Sex: Emerged Emergence Died Mortality Date(s) Paired Male Pairing 1 A C M 8/1/01 21 8/8/01 7 2 A C F 8/3/01 23 8/5/01 2 8/3/01 2 8/3/01 20119G3 3 A C M 8/1/01 21 8/8/01 7 2 A C F 8/3/01 23 8/5/01 2 8/3/01 2 8/3/01 20119G3 3 A C M 8/1/01 27 8/13/01 6 Proportion Emerged: 0.33 Average Days To Emergence Died Mortality Date(s) Paired Male Pairing 1 A C M 8/1/01 27 8/13/01 6 Replicate: H Larvae Life Emergence Status Sex: Emerged Emergence Died Mortality Date(s) Paired Male Pairing 1 A C F 8/4/01 27 8/13/01 6 Replicate: H Larvae Life Emergence Status Sex: Emerged Emergence Died Mortality Date(s) Paired Male Pairing 1 A C F 8/4/01 27 8/13/01 5 20119G3 3 A C F 8/4/01 24 8/9/01 5 28/8/01 2 8/8/01 20119G4 4 A C F 8/4/01 28 8/10/01 2 8/8/01 2 8/8/01 2 8/8/01 20119G4 4 A C F 8/4/01 28 8/10/01 2 8/8/01 2 8/8/01 20119G4 4 A C F 8/4/01 28 8/10/01 2 8/8/01 2 8/8/01 20119G4 4 A C F 8/4/01 28 8/10/01 2 8/8/01 2 8/8/01 20119G4	1	A	С	F	8/16/01	36	8/22/01	6	8/16/01	201190
3	2	Α	С	F	8/16/01	36	8/17/01	1	8/16/01	201190
A				F	8/19/01	39	8/22/01	3	8/19/01	20119N
Average Days To Emergence 39.6 Average Days to Mortality 4.2		Α	С	M	8/21/01	41	8/25/01	4		
Replicate: F Larvae Life Emergence Status Sex: Date Days to Date Days To Mortality Date(s) Paired Male Pairing	5	Α	С	M	8/26/01	46	9/2/01	7		
Larvae Life Emergence Status Sex: Emerged Emergence Date Days To Date Days To Mortality Date(s) Paired Male Pairing	roportio	n Emen	ged: 0.42		Average D	ays To Eme	rgence	39.6	Average Days to Mort	ality 4.2
Number Stage Status Sex: Emerged Emergence Died Mortality Date(s) Paired Male Pairing	Replicat	te: F								
2 A C M 8/1/01 21 8/1/01 0 3 A C F 8/5/01 25 8/9/01 4 8/5/01 20119G1 Proportion Emerged: 0.25 Average Days To Emergence 22.3 Average Days to Mortality 2.3 Replicate: G Larvae Life Emergence Status Sex: Date Days to Emergence Died Mortality Date(s) Paired Male Pairing 1 A C M 8/1/01 21 8/8/01 7 2 A C F 8/3/01 23 8/5/01 2 8/3/01 20119G3 3 A C M 8/3/01 23 8/5/01 2 8/3/01 20119G3 3 A C M 8/3/01 27 8/13/01 6 Proportion Emerged: 0.33 Average Days To Emergence Died Mortality Date(s) Paired Male Pairing 1 A C M 8/3/01 23 8/5/01 2 8/3/01 20119G3 Replicate: H Larvae Life Emergence Status Sex: Emerged Emergence Died Mortality Date(s) Paired Male Pairing 1 A C F 8/4/01 24 8/9/01 5 20119D2 2 A C M 8/7/01 27 8/9/01 2 3 A C F 8/8/01 28 8/10/01 2 8/8/01 2 20119D2 3 A C F 8/8/01 28 8/10/01 2 8/8/01 2 2 8/8/01 20119G4 4 A C F 8/8/01 28 8/10/01 2 8/9/01 5 20119G4 4 A C F 8/8/01 28 8/10/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/01 2 8/9/0			•	Sex:				•	Date(s) Paired	Male Pairing
3	1	Α	С	F	8/1/01	21	8/4/01	3	8/1/01	20119G1
Proportion Emerged: 0.25	2	Α	. с	M	8/1/01	21	8/1/01	0		
Replicate: G Larvae Life Emergence Status Sex: Date Days to Died Days To Date(s) Paired Male Pairing	3	Α	С	F	8/5/01	25	8/9/01	4	8/5/01	20119G1
Larvae Number Life Stage Emergence Status Date Emerged Days to Date Does Died Days To Mortality Date(s) Paired Male Pairing 1 A C M 8/1/01 21 8/8/01 7 2 8/3/01 20119G3 3 A C M 8/3/01 23 8/5/01 2 8/3/01 20119G3 4 A C M 8/7/01 27 8/13/01 6 Proportion Emerged: 0.33 Average Days To Emergence Days To Emergence Days to Mortality 4.8 Replicate: H Larvae Life Emergence Status Sex: Emerged Emergence Died Mortality Date Days To Mortality Date(s) Paired Male Pairing 1 A C F 8/4/01 24 8/9/01 5 20119D2 2 A C M 8/7/01 27 8/9/01 2 3 A C F 8/8/01 28 8/10/01 2 8/8/01 20119G4 <	Proportion	n Emer	ged: 0.25		Average D	ays To Eme	rgence	22.3	Average Days to Mort	ality 2.3
Number Stage Status Sex: Emerged Emergence Died Mortality Date(s) Paired Male Pairing 1 A C M 8/1/01 21 8/8/01 7 2 8/3/01 20119G3 3 A C F 8/3/01 23 8/5/01 2 8/3/01 20119G3 3 A C M 8/7/01 27 8/13/01 4 A C M 8/7/01 27 8/13/01 6 Proportion Emerged: 0.33 Average Days To Emergence 23.5 Average Days to Mortality 4.8 Replicate: H Larvae Life Emergence Date Days To Date(s) Paired Male Pairing 1 A C F 8/4/01 24 8/9/01 5 20119D2 2 A C M 8/7/01 27 8/9/01 2 8/8/01 20119G4 3 A C	Replica	te: G								
2 A C F 8/3/01 23 8/5/01 2 8/3/01 20119G3 3 A C M 8/3/01 23 8/7/01 4 4 A C M 8/7/01 27 8/13/01 6 Proportion Emerged: 0.33 Average Days To Emergence 23.5 Average Days to Mortality 4.8 Replicate: H Larvae Life Emergence Status Sex: Emerged Emergence Died Mortality Date(s) Paired Male Pairing 1 A C F 8/4/01 24 8/9/01 5 20119D2 2 A C M 8/7/01 27 8/9/01 2 3 A C F 8/8/01 28 8/10/01 2 8/8/01 20119G4 4 A C F 8/8/01 31 8/16/01 5 8/11/01 20119G4				Sex:		•		•	Date(s) Paired	Male Pairing
2 A C F 8/3/01 23 8/5/01 2 8/3/01 20119G3 3 A C M 8/3/01 23 8/7/01 4 4 A C M 8/7/01 27 8/13/01 6 Proportion Emerged: 0.33 Average Days To Emergence 23.5 Average Days to Mortality 4.8 Replicate: H Larvae Life Emergence Stage Status Sex: Emerged Emergence Died Mortality Date(s) Paired Male Pairing 1 A C F 8/4/01 24 8/9/01 5 2 A C M 8/7/01 27 8/9/01 2 3 A C F 8/8/01 28 8/10/01 2 8/8/01 20119G4 4 A C F 8/11/01 31 8/16/01 5 8/11/01 20119G4	1	A	C	М	8/1/01	21	8/8/01	7		
4 A C M 8/7/01 27 8/13/01 6 Proportion Emerged: 0.33 Average Days To Emergence 23.5 Average Days to Mortality 4.8 Replicate: H Larvae Life Emergence Stage Status Sex: Emerged Emergence Died Mortality Date Days To Mortality Date(s) Paired Male Pairing 1 A C F 8/4/01 24 8/9/01 5 20119D2 2 A C M 8/7/01 27 8/9/01 2 8/8/01 20119G4 3 A C F 8/11/01 31 8/16/01 5 8/11/01 20119G4	2	Α	С	F	8/3/01	23	8/5/01	2	8/3/01	20119G3
Proportion Emerged: 0.33 Average Days To Emergence 23.5 Average Days to Mortality 4.8 Replicate: H Larvae Life Emergence Date Days to Date Days To Number Stage Status Sex: Emerged Emergence Died Mortality Date(s) Paired Male Pairing 1 A C F 8/4/01 24 8/9/01 5 20119D2 2 A C M 8/7/01 27 8/9/01 2 3 A C F 8/8/01 28 8/10/01 2 8/8/01 20119G4 4 A C F 8/11/01 31 8/16/01 5 8/11/01 20119G4	3	Α	С	M	8/3/01	23	8/7/01	4		
Replicate: H Larvae Life Emergence Date Days to Date Days To Number Stage Status Sex: Emerged Emergence Died Mortality Date(s) Paired Male Pairing 1 A C F 8/4/01 24 8/9/01 5 20119D2 2 A C M 8/7/01 27 8/9/01 2 3 A C F 8/8/01 28 8/10/01 2 8/8/01 20119G4 4 A C F 8/11/01 31 8/16/01 5 8/11/01 20119G4	4	Α	С	M	8/7/01	27	8/13/01	6		
Larvae Life Number Emergence Status Date Sex: Days to Emergence Date Days To Mortality Date(s) Paired Male Pairing 1 A C F 8/4/01 24 8/9/01 5 20119D2 2 A C M 8/7/01 27 8/9/01 2 3 A C F 8/8/01 28 8/10/01 2 8/8/01 20119G4 4 A C F 8/11/01 31 8/16/01 5 8/11/01 20119G4	Proporti	on Emer	rged: 0.33		Average (Days To Eme	ergence	23.5	Average Days to Mor	tality 4.8
Larvae Life Number Emergence Stage Date Stage Date Emergence Days to Emergence Date Days To Mortality Date(s) Paired Male Pairing 1 A C F 8/4/01 24 8/9/01 5 20119D2 2 A C M 8/7/01 27 8/9/01 2 3 A C F 8/8/01 28 8/10/01 2 8/8/01 20119G4 4 A C F 8/11/01 31 8/16/01 5 8/11/01 20119G4	Replica	te: H								
2 A C M 8/7/01 27 8/9/01 2 3 A C F 8/8/01 28 8/10/01 2 8/8/01 20119G4 4 A C F 8/11/01 31 8/16/01 5 8/11/01 20119G4	Larvae	Life	. •	Sex:		•			Date(s) Paired	Male Pairing
3 A C F 8/8/01 28 8/10/01 2 8/8/01 20119G4 4 A C F 8/11/01 31 8/16/01 5 8/11/01 20119G4	1	Α	С	F	8/4/01	24	8/9/01	5		20119D2
4 A C F 8/11/01 31 8/16/01 5 8/11/01 20119G4	2	Α	С	M	8/7/01	27	8/9/01	2		
David Madelia 25		Α	С	F	8/8/01	28	8/10/01	2	8/8/01	
Proportion Emerged: 0.33 Average Days To Emergence 27.5 Average Days to Mortality 3.5	4	Α	. с	F	8/11/01	31	8/16/01	5	8/11/01	20119G4
	Proporti	on Eme	rged: 0.33		Average	Days To Em	ergence	27.5	Average Days to Mo	rtality 3.5

Tetra T	Tech	NUS Inc	•					Date:	10/4/01
55 Jor								Project:	01032
33 301	ispiii	Noau						•	
			4007	4000				SDG	5286
Wilmin	gton	, MA 0	1887-	1062				Site:	N0564-322
Sample	ID: (020182	San	nple Nam	e: Control			Method: 100.55	6GR
Replicate	e: A								
Larvae Number	Life Stage	Emergence Status	Sex:	Date Emerged	Days to Emergence	Date Died	Days To Mortality	Date(s) Paired	Male Pairing
1	A	С	М	8/1/01	21	8/6/01	5		
2	Α	С	F	8/2/01	22	8/2/01	0		
3	Α	С	F	8/4/01	24	8/9/01	5	8/4/01	20182A5
4	Α	. с	F	8/4/01	24	8/13/01	9	8/4/01	20182A5
5	Α	С	M	8/4/01	24	8/9/01	5		
6	A	С	M	8/7/01	27	8/11/01	4		
Proportion	n Emer	ged: 0.50		Average D	ays To Eme	rgence	23.7	Average Days to Mo	rtality 4.7
Replicat	e: B								
Larvae Number	Life Stage	Emergence Status	Sex:	Date Emerged	Days to Emergence	Date Died	Days To Mortality	Date(s) Paired	Male Pairing
1	A	С	М	7/31/01	20	7/31/01	0		
2	Α	С	M	8/1/01	21	8/1/01	0		
3	Α	С	М	8/1/01	21	8/6/01	5		
4	Α	E							
5	Α	С	F	8/9/01	29	8/12/01	3	8/9/01, 8/10/01	20182G2. 20182M
6	A	С	М	9/4/01	55	9/8/01	4		·
Proportio	n Emer	ged: 0.50		Average D	ays To Eme	rgence	29.2	Average Days to Mo	ortality 2.4
Replicat	e: C								
Larvae Number	Life Stage	Emergence Status	Sex:	Date Emerged	Days to Emergence	Date Died	Days To Mortality	Date(s) Paired	Male Pairing
1	A	С	М	8/1/01	21	8/8/01	7		
2	Α	С	М	8/2/01	22	8/6/01	4		
3	Α	С	M	8/2/01	22	8/3/01	1		
4	Α	С	F	8/6/01	26	8/15/01	9	8/9/01	20182A6
5	Α	С	F	8/10/01	30	8/12/01	2	8/10/01	20182M
6	Α	С	F	8/13/01	33	8/19/01	6	8/13/01	20182P
7	Α	С	М	8/17/01	37	8/18/01	1		
Proportio	n Emer	ged: 0.58		Average [Days To Eme	rgence	27.3	Average Days to Mo	ortality 4.3

Tetra 1	Гесh	NUS Inc						Date:	10/4/01
55 Jon	spin	Road						Project:	01032
	•							SDG	5286
Wilmin	gton,	MA 0	1887-	-1062				Site:	N0564-322
Sample	ID: C)20182	San	nple Name	e: Control			Method: 100.5S0	GR
Replicat	e: D								
Larvae Number	Life Stage	Emergence Status	Sex:	Date Emerged	Days to Emergence	Date Died	Days To Mortality	Date(s) Paired	Male Pairing
1	Α	С	М	8/1/01	21	8/7/01	6		
2	Α	С	F	8/2/01	22	8/2/01	0		
3	Α	С	F	8/2/01	22	8/5/01	3	8/2/01	20182D4
4	Α	С	M	8/2/01	22	8/9/01	7		
5	Α	С	M	8/4/01	24	8/9/01	5		
6	Α	С	M	8/4/01	24	8/4/01	0		
7	Α	P	М	8/4/01	24	8/4/01	0		
8	L								
9	L								
Proportio	n Emerç	ged: 0.50		Average D	ays To Eme	rgence	22.7	Average Days to Mor	tality 3.0
Replicat	e: E								
Larvae Number	Life Stage	Emergence . Status	Sex:	Date Emerged	Days to Emergence	Date Died	Days To Mortality	Date(s) Paired	Male Pairing
1	Α	С	М	7/31/01	20	8/1/01	1		
2	Α	P	M	8/7/01	27	8/7/01	0		
3	Α	С	F	8/16/01	36	8/16/01	0		
Proportio	n Emer	ged: 0.17		Average [Days To Eme	rgence	27.7	Average Days to Mo	tality 0.3
Replicat	te: F								
Larvae Number	Life Stage	Emergence Status	Sex:	Date Emerged	Days to Emergence	Date Died	Days To Mortality	Date(s) Paired	Male Pairing
1	Α	С	М	7/30/01	19	8/3/01	4		
Proportio	on Emer	ged: 0.08		Average [Days To Eme	rgence	19.0	Average Days to Mo	rtality 4.0

 Tetra Tech NUS Inc
 Date:
 10/4/01

 55 Jonspin Road
 Project:
 01032

 SDG
 5286

 Wilmington, MA
 01887-1062
 Site:
 N0564-322

Sample ID: 020182 Sample Name: Control Method: 100.5SGR

Replicate: G

Larvae Number	Life Stage	Emergence Status	Sex:	Date Emerged	Days to Emergence	Date Died	Days To Mortality	Date(s) Paired	Male Pairing
1	A	С	М	8/1/01	21	8/5/01	4		
2	Α	С	M	8/2/01	22	8/10/01	8		
3	Α	С	F	8/3/01	23	8/9/01	6	8/3/01	20182G4
4	Α	С	M	8/3/01	23	8/7/01	4		
5	Α	. с	F	8/4/01	24	8/5/01	1	8/4/01	20182G6
6	Α	С	M	8/4/01	24	8/9/01	5		
7	Α	С	F	8/5/01	25	8/10/01	5	8/5/01	20182D5
8	Α	С	F	8/5/01	25	8/7/01	2	8/5/01	20182G6
9	Α	С	F	8/6/01	26	8/9/01	3	8/6/01	20182G2
Proportio	n Emer	ged: 0.75		Average [Days To Eme	rgence	23.7	Average Days to Mortality	4.2

Replicate: H

Larvae Number	Life Stage	Emergence Status	Sex:	Date Emerged	Days to Emergence	Date Died	Days To Mortality	Date(s) Paired	Male Pairing
1	Α	С	M	7/31/01	20	8/3/01	3		
2	Α	С	М	8/1/01	21	8/6/01	5		
3	Α	С	М	8/2/01	22	8/3/01	1		
4	Α	С	F	8/3/01	23	8/7/01	4	8/3/01	20182H2
5	Α	С	М	8/10/01	30	8/11/01	1		_
Proportio	n Emer	ged: 0.42		Average [Days To Eme	rgence	23.2	Average Days to Mo	rtality 2.8

													
etra T	ech N	US Inc								Date			0/8/01
5 Jon	spin R	oad								Proje			01032
										SDG			5286
Vilmin	gton, N	/A 018	B 7 -1	062						Site:		N0564	I-0322
Sample	ID: 01	9971	Samp	le Na	ne: D0	3193	PSD-	WHO7-0	61 Me	ethod: 10	00.5SGR	}	
teplicate	e: A								Eggs	Eggs	Ali Eggs	Eggs	
_arvae Number	Deposit Date	Case Preparation	E	Eggs C	ounted f	Per Ring		Number of Rings	Direct Count	Estimate Count	Not Hatched	Not Hatched	Eggs Hatched
3	7/25/01	R	12	15	16	18	20	49		794	A		0
5	7/25/01	R	12	14	15	14	11	27		356		5	351
7	7/25/01	R	16	20	26	21	20	89		1833		34	1799
9	8/1/01	D							475			0	475
Mean Eg	gs Produc	ed per Female	: 865	N	lean Eg	gs Hatch	ned pe	r Female: 6	56	Mean Pr	oportion H	atched: 0	.74
Replicat	e: B								Eggs	Eggs	All Eggs	Eggs	F
Larvae Number	Deposit Date	Case Preparation		Eggs C	ounted	Per Ring)	Number of Rings	Direct Count	Estimate Count		Not Hatched	
7	7/26/01	R	20	19	24	24	16	82		1689		198	1491
Mean Eg	gs Produc	ed per Female	: 1689) <u> </u>	Mean Eg	gs Hatc	hed pe	r Female: 1	1491	Mean P	roportion h	fatched: ().88
Replicat	te: C								Eggs	Eggs	All Eggs	Eggs	
Larvae Number	Deposit Date	Case Preparation		Eggs (Counted	Per Rin	9	Number of Rings	Direct Count	Estimate	Not	Not Hatched	Eggs Hatched
9	7/25/01	R	20	18	20	21	14	72		1339		38	1301
12	8/4/01	R	18	18	18	17	17	38		669	A		0
		ced per Female	: 1004	4	Mean E	ggs Hato	hed po	er Female:	651	Mean F	Proportion I	Hatched:	0.49
Replica	te: D								Eggs	Eggs	All Eggs	Eggs	
Larvae Number	Deposit Date	Case Preparation		Eggs (Counted	Per Rin	9	Number of Rings	Direct Count	Estimat	e Not	Not d Hatche	Eggs Hatche
2	7/28/01		16	16	14	20	20	35		602		7	595
3	8/1/01	R	13	18	17	16	14	57		889		40	849
4	8/3/01	. A		**					188				
7	8/4/01	R	12	20	25	22	15	83		1560		37	1523
•	8/5/01	r R	16	18	22	24	22	77		1571		158	1413
۵	W 37 U I	• • • • • • • • • • • • • • • • • • • •	. •					400		2328		48	2280
9 10	8/5/01	R	18	22	25	26	22	103		2320			

9	8/3/01	A	: 100				·	er Female:	1004		roportion h	l-Aabadi	
Replicat Larvae Number	Deposit Date	Case Preparation		Eggs C	Counted	Per Rin	g	Number of Rings	Eggs Direct Count	Eggs Estimate Count	All Eggs Not Hatched	Eggs Not Hatched	Eggs Hatche
Mean Eg	gs Produc	ed per Female	: 110)2 N	Mean Eg	gs Hate	hed p	er Female: (576	Mean P	roportion H	latched: ().58
12	7/31/01	R	13	17	, 22	23	15	73		1314	Α		0
11	8/1/01	R	13	10	12	11	13	54		637	A		0
10	7/31/01	R	12	16	15	16	14	61		891		5	886
9	7/30/01	R	17	19	23	21	13	78		1451		47	1404
5 8	7/26/01 8/1/01	R	17	19	20	16	14	59		1015		112	903
3	7/24/01	R R	18 18	15 20	20 26	18 20	20 19	53 70		1442		308	1134
Replicat Larvae Number	Deposit Date	Case Preparation		Eggs C				Number of Rings	Eggs Direct Count	Eggs Estimate Count	All Eggs Not Hatched	Eggs Not Hatched	Eggs Hatcher
/lean Eg	gs Produc	ed per Female:	992	M	lean Eg	gs Hatc	hed pe	er Female: 4	33	Mean Pr	oportion H	alched. U	.42
6	7/24/01	R	21	20	19	23							
2	7/22/01	R	13	22	22	24	13 18	55 47		1034 949	A	169	865 0
Replicate Larvae Number	e: F Deposit Date	Case Preparation		Eggs Co	ounted I	Per Rinç)	Number of Rings	Eggs Direct Count	Eggs Estimate Count	All Eggs Not Hatched		
lean Egg	s Produce	ed per Female:	936	М	ean Eg	gs Hatc	hed pe	r Female: 8	90	Mean PR	oportion Ha	staled. U	.50
4	7/22/01	R 	14	20	24	14	18	52		936		40	
arvae lumber	Deposit Date	Case Preparation		Eggs Co				Number of Rings	Direct Count	Estimate Count	Not Hatched	Not Hatched	Eggs Hatched
eplicate	e: E								Eggs	Eggs	All Eggs	Eggs	
Sample	ID: 01	9971 5	Sam	ple Nar	ne: D(03193	IPSD	-WHO7-0	61 M	ethod: 10	00.5SGR		
Vilmin	gton, N	MA 0188	87-1	1062						Site:		N0564	1-032
	•									SDG	;		5286
	spin R									Proje	ect:		01032
	CULIT	US Inc								Date			0/8/01

	L A11 1	IC Inc								Date:		10	0/8/01
	ech NU									Proje		(01032
5 Jons	spin Ro	ad								SDG			5286
		. 0400	7 40	າຄາ						Site:		N0564	-0322
Vilming	gton, M	A 0188		J02 ——									
ample l	ID: 019	972 S	amp	le Nar	ne: D0	3198 1	PSD-	FT2201-(06 Me	thod: 10	0.5SGR		
eplicate	e: A								Eggs		All Eggs Not	Eggs Not	Eggs
arvae lumber	Deposit Date	Case Preparation	E	ggs Co	ounted P	er Ring		Number of Rings	Direct Count	Estimate Count			Hatched
	7/21/01R	R	19	16	19	15	17	78		1342		207	1135
2	7/26/01	R	19	21	25	24	16	62		1302		19	1283
5	7/28/01	R	15	20	21	20	16	64		1178		131	1047
6	7/29/01	R	16	22	25	20	18	76		1535		11	1524
9	8/4/01	Α							438				
	•		1150	N	lean Foo	s Hatch	ed per	Female: 1	247	Mean Pr	oportion H	atched: 0	.93
Mean Egg	gs Produce	d per Female:	1139		ican eg								
Replicate Larva e	e: B Deposit	Case				m!		Number	Eggs Direct Count	Eggs Estimate Count	All Eggs Not Hatched	Eggs Not Hatched	Eggs Hatched
Number	Date	Preparation		Eggs C	ounted F	er King		of Rings	Courk			 29	1147
										11/6			
7	8/1/01	R	16	16	18	16	4	84		1176 2068		111	1957
7 8	8/1 <i>/</i> 01 8/2/01	R R	16 22	24	22	18	24	94		2068	dion b	111	
8	8/2/01	R	22	24	22	18	24	_	1552	2068	roportion h	111	
8 Mean Eg	8/2/01 gs Produce		22	24	22	18	24	94		2068 Mean P		111 latched:	
8 Mean Eg Replicat	8/2/01 gs Produce te: C Deposit	R ed per Female Case	22	24	22 Mean Eg	18 gs Hatc	24 ned pe	94	Eggs Direct Count	2068	All Eggs	111 latched: Eggs Not).96 Eggs
8 Mean Eg Replicat Larvae Number	8/2/01 gs Produce te: C Deposit Date	R ed per Female Case Preparation	22	24 Eggs (22 Mean Eg	18 gs Hatch	24 ned pe	94 r Female: Number	Eggs Direct	2068 Mean P Eggs Estimate	All Eggs	111 latched: Eggs Not).96 Eggs
8 Mean Eg Replicat Larvae Number	8/2/01 gs Produce te: C Deposit Date 7/30/01	R ed per Female Case Preparation R	22	24	22 Mean Eg	18 gs Hatc	24 ned per	94 r Female: Number of Rings	Eggs Direct	2068 Mean P Eggs Estimate Count	All Eggs	111 Hatched: (Eggs Not Hatched	Eggs Hatched
8 Mean Eg Replicat Larvae Number 4 5	8/2/01 Igs Produce te: C Deposit Date 7/30/01 8/3/01	R ed per Female Case Preparation R A	22	24 Eggs (22 Mean Eg	18 gs Hatch	24 ned per	94 r Female: Number of Rings	Eggs Direct Count	2068 Mean P Eggs Estimate Count	All Eggs	111 Hatched: (Eggs Not Hatched	Eggs Hatched
8 Mean Eg Replicat Larvae Number	8/2/01 gs Produce te: C Deposit Date 7/30/01 8/3/01	R ed per Female Case Preparation R A	22 : 1622	24 P	22 Mean Eg Counted	18 gs Hatch Per Ring 15	24 ned per	94 r Female: Number of Rings	Eggs Direct Count	2068 Mean P Eggs Estimate Count	All Eggs	111 Hatched: (Eggs Not Hatched	Eggs Hatched
8 Mean Eg Replicat Larvae Number 4 5 7 8	8/2/01 gs Produce te: C Deposit Date 7/30/01 8/3/01 8/5/01 8/10/01	R ed per Female Case Preparation R A A	22 : 1622 14	24 2 P Eggs (15	22 Mean Eg Counted 18	18 gs Hatch Per Ring 15	24 ned per 16	94 r Female: Number of Rings 45	Eggs Direct Count 430 659	2068 Mean P Eggs Estimate Count 702	All Eggs Not Hatched	Eggs Not Hatched 8	Eggs Hatched 694 866
8 Mean Eg Replicat Larvae Number 4 5 7 8	8/2/01 gs Produce te: C Deposit Date 7/30/01 8/3/01 8/5/01 8/10/01	R ed per Female Case Preparation R A	22 : 1622 14	24 2 P Eggs (15	22 Mean Eg Counted 18	18 gs Hatch Per Ring 15	24 ned per 16	94 r Female: Number of Rings	Eggs Direct Count 430 659	2068 Mean P Eggs Estimate Count 702	All Eggs	Eggs Not Hatched 8	Eggs 1 Hatched 694 866
8 Mean Eg Replicat Larvae Number 4 5 7 8	8/2/01 gs Produce te: C Deposit Date 7/30/01 8/3/01 8/5/01 8/10/01 ggs Produce ate: D	R ed per Female Case Preparation R A A R ced per Female	22 : 1622 14	24 2 P Eggs (15	22 Mean Eg Counted 18	18 gs Hatch Per Ring 15	24 ned per 16	94 r Female: Number of Rings 45 80 er Female:	Eggs Direct Count 430 659 780	2068 Mean P Eggs Estimate Count 702 912 Mean F	All Eggs Not Hatched	Hatched: Eggs Not Hatched: 8 46 Hatched: s Eggs Not	Eggs Hatched 694 866 0.97
8 Mean Eg Replicat Larvae Number 4 5 7 8 Mean Eg	8/2/01 gs Product te: C Deposit Date 7/30/01 8/3/01 8/5/01 8/10/01 ggs Product ate: D Deposit	R ed per Female Case Preparation R A A R ced per Female	22 : 1622 14 10 e: 676	24 Eggs (15	22 Mean Eg Counted 18	gs Hatch Per Ring 15 11	24 ned per 16 10 ched po	94 r Female: Number of Rings 45	Eggs Direct Count 430 659 780 Eggs Direct	2068 Mean P Eggs Estimate Count 702 912 Mean F Eggs Estimate Count	All Eggs Not Hatched Proportion All Egg Not Hatched	Eggs Not Hatched: 8 46 Hatched: s Eggs Not d Hatched	Eggs Hatched 694 866 0.97
8 Mean Eg Replical Larvae Number 4 5 7 8 Mean Eg Replical	8/2/01 gs Produce te: C Deposit Date 7/30/01 8/3/01 8/5/01 8/10/01 ggs Produce ate: D Deposit	R ed per Female Case Preparation R A A R Red per Female	22 : 1622 14 10 e: 676	24 Eggs (15	22 Mean Eg Counted 18 13 Mean Eg	gs Hatch Per Ring 15 11	24 ned per 16 10 ched po	94 r Female: Number of Rings 45 80 er Female:	Eggs Direct Count 430 659 780 Eggs Direct	2068 Mean P Eggs Estimate Count 702 912 Mean F Eggs Estimat Count 1591	All Eggs Not Hatcher Proportion All Egg Not Hatcher	Eggs Not Hatched: 8 46 Hatched: s Eggs Not d Hatche	Eggs Hatched 694 866 0.97 Eggs Hatched 1565
8 Mean Eg Replicat Larvae Number 4 5 7 8 Mean Eg	8/2/01 gs Produce te: C Deposit Date 7/30/01 8/3/01 8/5/01 8/10/01 ggs Produce ate: D Deposit Date	R ed per Female Case Preparation R A A R Red per Female	22 : 1622 14 10 e: 676	24 Eggs (15 13 Eggs	22 Mean Eg Counted 18 13 Mean Eg Counted 25	18 gs Hatch Per Ring 15 11 ggs Hatch	24 ned per 3 16 10 ched per	94 r Female: Number of Rings 45 80 er Female: Number of Rings	Eggs Direct Count 430 659 780 Eggs Direct	2068 Mean P Eggs Estimate Count 702 912 Mean F Eggs Estimate Count	All Eggs Not Hatcher Proportion All Egg Not Hatcher	Eggs Not Hatched: 8 46 Hatched: s Eggs Not d Hatched	Eggs Hatched 694 866

etra T	ech N	US Inc								Date	:	1	0/8/01
5 Jon	spin R	oad								Proje	ect:	1	01032
	•									SDG	i		5286
∕Vilmin	gton, N	MA 018	87-1	062						Site:		N0564	-0322
Sample	ID: 01!	9972	Samp	le Na	me: D0	3198	PSD	-TT2201-	06 Me	ethod: 10	0.5SGR		
Replicate	e: E								Eggs		All Eggs	Eggs	P
_arvae Number	Deposit Date	Case Preparation	,	Eggs C	ounted F	Per Ring		Number of Rings	Direct Count	Estimate Count	Not Hatched	Not Hatched	Eggs Hatched
4	7/23/01	R	16	16	18	22	18	64		1152		293	859
5	7/26/01	R	17	22	26	16	16	38		737		2	735
6	7/24/01	R	16	22	22	17	14	63		1147		166	981
7	7/27/01	A							590				
Aean Eg	gs Produc	ed per Female	906	N	lean Eg	gs Hatch	ed pe	er Female: 8	58	Mean Pr	oportion H	atched: 0	.87
Replicat	_							Number	Eggs Direct	Eggs Estimate	All Eggs Not	Eggs Not	Eggs
Larvae Number	Deposit Dat e	Case Preparation		Eggs C	ounted	Per Ring)	of Rings	Count	Count	Hatched	Hatched	
2	7/24/01	R	16	20	16	16	18	70		1204		17	1187
3	7/25/01	R	18	20	22	24	16	50		1000		0	1000
4	7/26/01	R	12	20	14	14	17	67		1032		35	997
5	7/28/01	R	18	22	22	24	21	73		1562		21	1541
6	8/1/01	R	12	18	17	17	13	59		909		0	909
7	8/2/01	A							262				
8	8/1/01	R	15	18	19	20	13	89		1513		43	1470
Mean Eg	gs Produc	ed per Female	e: 106	9	Mean Eg	gs Hato	hed p	er Female:	1184	Mean P	roportion h	latched: (0.99
Replica	te: G								Ecce	Eggs	All Eggs	Eggs	
Larvae Number	Deposit	Case Preparation		Eggs (Counted	Per Rin	9	Number of Rings	Eggs Direct Count	Estimate Count		Not	Eggs Hatche
2	8/3/01	R	14	14	18	13	8	34		456		452	4
4	8/4/01	R	16	18	19	19	14	99		1703		34	1669
6	8/7/01	A							484				
8	8/11/01		16	20	23	20	9	99		1742	Α		0
•	ggs Produ				Mean E						Proportion 1		

Date: 10/8/01 Tetra Tech NUS Inc 01032 Project: 55 Jonspin Road SDG 5286 Site: N0564-0322 Wilmington, MA 01887-1062

Sample ID: 019972

Sample Name: D03198 IPSD-TT2201-06 Method: 100.5SGR

Replica	te:	Н	
Larvae	D	epo	

Replicat	e: H								Eggs	Eggs	All Eggs	Eggs	
Larvae Number	Deposit Date	Case Preparation		Eggs C	ounted	Per Ring	9	Number of Rings	Direct Count	Estimate Count	Not Hatched	Not Hatched	Eggs Hatched
4	7/26/01	R	14	20	22	16	15	44		766		7	759
8	7/30/01	R	19	20	22	20	18	51		1010		16	994
9	8/3/01	R	11	11	15	20	8	54		702		7	695
10	8/1/01	R	15	19	20	19	16	65		1157		5	1152
11	8/2/01	R	20	18	16	18	22	92		1730		76	1654

Mean Eggs Produced per Female: 1073

Mean Eggs Hatched per Female: 1051

Mean Proportion Hatched: 0.98

Totro 1	Tech N	LIC Inc								Date	.•	1	0/8/01
										Proje			0,0,0 i 01032
33 3011	spin R	Oau								SDG			5286
A 51i-		4A 049	07 -	1062						Site:		N0564	
vviimin 	gton, N	//A U16	0/-	1062						Sile.		140504	-0322
Sample	ID: 01	9981	Sam	ple Na	me: D	03201	IPSD	-TT1203-	-06 M	ethod: 10	0.5SGR		
Replicate	e: A								Eggs	Eggs	All Eggs	Eggs	
Larvae Number	Deposit Date	Case Preparation		Eggs C	ounted I	Per Ring		Number of Rings	Direct Count	Estimate Count	Not Hatched	Not Hatched	Eggs Hatched
4	7/28/01	A		_					388				
6	8/1/01	R	17	20	20	18	18	57		1060		21	1039
7	8/3/01	R	10	13	14	15	13	81		1053		56	997
Mean Egg	s Produce	ed per Female:	834	N	lean Eg	gs Hatcl	ned pe	r Female: 1	018	Mean Pro	oportion H	atched: 0	.96
	-												
Replicate		_							Eggs	Eggs	All Eggs	Eggs	Ecoe
Larvae Number	Deposit Date	Case Preparation		Eggs C	ounted	Per Ring	!	Number of Rings	Direct Count	Estimate Count	Not Hatched	Not Hatched	Eggs Hatched
2	7/25/01	R	13	19	22	22	16	96		1766		354	1412
4	8/4/01	R	12	21	23	21	16	99		1841		32	1809
5	8/4/01	R	13	17	20	19	12	122		1976		17	1959
Mean Eg	gs Produc	ed per Female	: 186	1 N	lean Eg	gs Hato	hed pe	r Female: 1	1727	Mean Pr	oportion H	atched: 0	.92
Replicat		_						N	Eggs	Eggs	All Eggs	Eggs	Enne
Larvae Number	Deposit Date	Case Preparation		Eggs C	ounted	Per Ring	9	Number of Rings	Direct Count	Estimate Count	Not Hatched	Not Hatched	Eggs Hatched
3	7/26/01	R	16	21	16	18	20	84		1529		33	1496
6	7/29/01	R	18	23	26	20	19	80		1696		180	1516
Mean Eg	gs Produc	ed per Female	: 161	2 N	Aean Eg	gs Hato	hed po	er Female:	1506	Mean Pr	roportion I	latched: ().94
Replicat	e: D								Eggs	Eggs	All Eggs	Eggs	
Larvae Number	Deposit Date	Case Preparation		Eggs C	ounted	Per Rin	9	Number of Rings	Direct Count	Estimate Count	Not	Not Hatched	Eggs Hatched
1	7/24/01	R	21	24	20	20	17	66		1346	Α		0
3	7/25/01	R	20	21	20	24	22	76		1626		266	1360
	7/25/01	R	18	25	21	26	22	93		2083		319	1764

Tetra	Tech N	US Inc								Date	•	1	0/8/01	
	ıspin R									Proje	ect:	0103		
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	iopii i i									SDG		528		
∕∕ilmir	gton, f	MA 018	87-1	1062						Site:		N0564	I-0322	
Sample	ID: 01	9981 \$	Sam	ple Na	me: D	03201 I	PSD	-TT1203-	06 M	ethod: 10	0.5SGR			
Replicat	e: E								Eggs	Eggs	All Eggs	Eggs		
Larva e Number	Deposit Date	Case Preparation		Eggs C	ounted I	Per Ring		Number of Rings	Direct Count	Estimate Count	Not Hatched	Not Hatched	Eggs Hatched	
4	8/2/01	Α							432					
Mean Fo	as Produc	ed per Female:	432	N	lean Eg	gs Hatch	ed pe	r Female:		Mean Pro	portion H	atched:		
		•												
Replicat Larvae Number	e: F Deposit Date	Case Preparation		Eggs C	ounted l	Per Ring		Number of Rings	Eggs Direct Count	Eggs Estimate Count	All Eggs Not Hatched	Eggs Not Hatched	Eggs Hatched	
1	7/23/01	Α							397			•• • •		
Mean Eg	gs Produc	ed per Female:	397	N	lean Eg	gs Hatch	ed pe	r Female:		Mean Pr	oportion H	atched:		
Replicat	ъ. G											_		
, (cpiicai	Deposit	Case				Per Ring		Number	Eggs Direct Count	Eggs Estimate Count	All Eggs Not Hatched	Eggs Not Hatched	Eggs Hatched	
Larvae Number	Date	Preparation		Eggs C	ounted	J		of Rings	Count					
	•	Preparation R	19	Eggs C	18	18	19	of Rings 62	- Count	1178		19	1159	
Number	Date		19 18				19 23		Count			19 90	1159 1233	
Number 4	7/31/01	R		21	18	18		62	Codin	1178				
Number 4 5	7/31/01 8/5/01	R R	18	21 20	18 20	18 24	23	62 63	Codin	1178 1323		90	1233	
4 5 6 9	7/31/01 8/5/01 8/8/01 8/14/01	R R R	18 16 18	21 20 18 16	18 20 20 20	18 24 18 16	23 21 17	62 63 63		1178 1323 1172 835	roportion H	90 100 156	1233 1072 679	
4 5 6 9	7/31/01 8/5/01 8/8/01 8/14/01 gs Produc	R R R	18 16 18	21 20 18 16	18 20 20 20	18 24 18 16	23 21 17	62 63 63 48	1036	1178 1323 1172 835 Mean Pr	•	90 100 156 latched: (1233 1072 679	
Number 4 5 6 9 Mean Eg	7/31/01 8/5/01 8/8/01 8/14/01 gs Produc	R R R	18 16 18	21 20 18 16	18 20 20 20 20 Mean Eg	18 24 18 16	23 21 17 ned pe	62 63 63 48		1178 1323 1172 835	All Eggs Not	90 100 156	1233 1072 679 0.91	
Number 4 5 6 9 Mean Eg Replicat	7/31/01 8/5/01 8/8/01 8/14/01 gs Producte: H	R R R R ed per Female.	18 16 18	21 20 18 16	18 20 20 20 20 Mean Eg	18 24 18 16 gs Hatch	23 21 17 ned pe	62 63 63 48 er Female: 1	1036 Eggs Direct	1178 1323 1172 835 Mean Pr Eggs Estimate	All Eggs Not	90 100 156 latched: (Eggs Not	1233 1072 679 0.91	
Number 4 5 6 9 Mean Eg Replical Larvae Number	Date 7/31/01 8/5/01 8/8/01 8/14/01 gs Producte: H Deposit Date	R R R R cad per Female:	18 16 18 112	21 20 18 16 7	18 20 20 20 Wean Eg	18 24 18 16 gs Hatch	23 21 17 red pe	62 63 63 48 er Fernale: 1	1036 Eggs Direct	1178 1323 1172 835 Mean Pr Eggs Estimate Count	All Eggs Not	90 100 156 latched: (Eggs Not Hatched	1233 1072 679 0.91 Eggs Hatched	
Number 4 5 6 9 Mean Eg Replical Larvae Number 1	7/31/01 8/5/01 8/8/01 8/14/01 gs Producte: H Deposit Date 7/29/01	R R R R Case Preparation	18 16 18 : 112	21 20 18 16 7	18 20 20 20 Mean Eg	18 24 18 16 gs Hatch	23 21 17 ned pe	62 63 63 48 er Female: 1 Number of Rings	1036 Eggs Direct	1178 1323 1172 835 Mean Pr Eggs Estimate Count 1613	All Eggs Not	90 100 156 latched: (Eggs Not Hatched	1233 1072 679 0.91 Eggs Hatched	

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	Tech N	US Inc								Date Proj		1	0/8/01 01032
	•									SDC		528	
Wilmir	ngton, I	MA 018	87-1	062						Site	:	N056	4-0322
Sample	ID: 01	9982	Samp	ole Na	me: D	03206	IPSC)-TT2903	-06 M	ethod: 1	00.5SGF	₹	
Replicat	e: A								Eggs	Eggs	All Eggs	Eggs	
Larvae Number	Deposit Date	Case Preparation		Eggs C	Counted	Per Ring	l	Number of Rings	Direct Count	Estimate Count	Not	Not Hatched	Eggs Hatched
4	7/25/01	R	19	21	24	24	20	85		1836		266	1570
5	8/1/01	R	19	19	22	25	20	68		1428	A		0
Mean Eg	gs Produc	ed per Female:	1632		Mean Eg	gs Hatcl	hed pe	er Female: 7	85	Mean Pr	oportion H	atched: 0	.43
Replicat Larva e Number	e: B Deposit Date	Case Preparation		Eggs C	Counted	Per Ring	l	Number of Rings	Eggs Direct Count	Eggs Estimate Count	All Eggs Not Hatched	Eggs Not Hatched	Eggs Hatched
7	8/4/01	Α							619				
Mean Eg	gs Produc	ed per Female:	619		Mean Eg	gs Hatcl	hed pe	er Female:		Mean Pr	oportion H	atched:	
Replicat	e: C												
Larvae Number	Deposit Date	Case Preparation		Eggs C	Counted	Per Ring	;	Number of Rings	Eggs Direct Count	Eggs Estimate Count	All Eggs Not Hatched	Eggs Not Hatched	Eggs Hatched
3	7/25/01	R	17	19	21	20	18	61		1159		187	972
4	7/26/01	R	18	22	26	20	22	88		1901		25	1876
5	7/29/01	Α							619				
6	7/31/01	R	15	15	15	15	15	64		960		6	954
Mean Eg	gs Produc	ed per Female	: 1160) 1	Mean Eg	gs Hato	hed p	er Female: 1	1267	Mean Pi	roportion H	latched: 0	.94
Replicat	e: D								Face	E	All Esse	Enos.	
Larvae Number	Deposit Date	Case Preparation		Eggs (Counted	Per Rinç)	Number of Rings	Eggs Direct Count	Eggs Estimate Count	All Eggs Not Hatched	Eggs Not Hatched	Eggs Hatched
3	7/27/01	R	18	19	22	24	19	54		1102		486	616
7	8/8/01	R	20	22	24	23	12	52		1050		329	721
8	8/10/01	Α							855				
9	8/11/01	R	14	21	22	21	18	89		1709		71	1638
Mean Eg	gs Produc	ed per Female	: 1179)	Mean Eg	gs Hato	hed p	er Female:	992	Mean P	roportion I	latched: 0).73

etra T	ech N	IS Inc								Date	:	1	0/8/01	
	spin Re									Proje	ect:		01032	
0 0011	spiii i k	Juu								SDG	;	528		
Vilmin	gton, N	1A 0188	37-1	062						Site:		N0564	I-0322	
ample	ID: 019	9982 5	Sam	ole Na	ame: D	3206	IPSD	-TT2903-	06 M	efhod: 10	00.5SGR	1		
teplicate	e: E								Eggs	Eggs	All Eggs	Eggs	Ease	
_arvae Number	Deposit Date	Case Preparation		Eggs (Counted I	Per Ring)	Number of Rings	Direct Count	Estimate Count	Not Hatched	Not Hatched	Eggs Hatched	
2	8/5/01	R	20	18	17	18	20	57		1060		107	953	
4	8/9/01	R	20	21	17	20	19	75		1455		34	1421	
6	8/13/01	R	24	22	21	20	23	71		1562		309	1253	
8	8/18/01	R	20	17	20	22	21	58		1160		124	1036	
lean Egg	gs Produc	ed per Female:	130	9	Mean Eg	gs Hato	hed po	er Female: 1	166	mean Pi	орогионт	latched: 0	.03	
Replicate Larvae	_	Case Preparation	130		Mean Eg			Number	Eggs Direct Count	Eggs Estimate Count	All Eggs Not	Eggs Not Hatched	Eggs Hatche	
Replicate Larvae	e: F Deposit	Case	130					Number	Eggs Direct	Eggs Estimate Count	All Eggs Not Hatched	Eggs Not Hatched 48	Eggs Hatche	
Replicate Larvae Number 5	e: F Deposit Date 7/28/01	Case Preparation		Eggs	Counted	Per Rin	g	Number	Eggs Direct Count	Eggs Estimate Count	All Eggs Not	Eggs Not Hatched 48	Eggs Halched	
Replicate Larvae Number 5	e: F Deposit Date 7/28/01 gs Produc	Case Preparation		Eggs	Counted	Per Rin	g	Number of Rings	Eggs Direct Count 215	Eggs Estimate Count	All Eggs Not Hatched	Eggs Not Hatched 48	Eggs Halched	
Replicate Larvae Number 5 Mean Egg	e: F Deposit Date 7/28/01 gs Produc	Case Preparation		Eggs	Counted	Per Rin	g ched p	Number of Rings	Eggs Direct Count	Eggs Estimate Count	All Eggs Not Hatched roportion F	Eggs Not Hatched 48	Eggs Hatcher 167).78 Eggs Hatcher	
Replicate Larvae Number 5 Mean Egg Replicat Larvae	Deposit Date 7/28/01 gs Producte: G Deposit	Case Preparation D ed per Female Case		Eggs	Counted Mean Eç	Per Rin	g ched p	Number of Rings er Female:	Eggs Direct Count 215 167 Eggs Direct	Eggs Estimate Count Mean P Eggs Estimate Count	All Eggs Not Hatched roportion F All Eggs Not Hatched	Eggs Not Hatched 48 Hatched: (Eggs Not Hatched 168	Eggs Hatcher 167 0.78 Eggs Hatche	
Replicate Larvae Number 5 Wean Egg Replicat Larvae Number 4	e: F Deposit Date 7/28/01 gs Producte: G Deposit Date 7/26/01	Case Preparation D ed per Female Case Preparation	: 215	Eggs Eggs 18	Counted Mean Eg Counted	Per Rin pgs Hate Per Rin 26	g ched p	Number of Rings er Female: Number of Rings	Eggs Direct Count 215 167 Eggs Direct Count	Eggs Estimate Count Mean P Eggs Estimate Count	All Eggs Not Hatched roportion F	Eggs Not Hatched 48 Hatched: (Eggs Not Hatched 168	Eggs Hatcher 167 0.78 Eggs Hatcher 1621	
Replicate Larvae Number 5 Wean Egg Replicat Larvae Number 4	Deposit Date 7/28/01 gs Producte: G Deposit Date 7/26/01 gs Product	Case Preparation D ed per Female Case Preparation R	: 215	Eggs Eggs 18	Counted Mean Eg Counted	Per Rin pgs Hate Per Rin 26	g ched p	Number of Rings er Female: Number of Rings 86 er Female:	Eggs Direct Count 215 167 Eggs Direct Count 1621	Eggs Estimate Count Mean P Eggs Estimate Count 1789 Mean F	All Eggs Not Hatched roportion F All Eggs Not Hatched	Eggs Not Hatched: (Eggs Not Hatched: (168 Hatched:	Eggs Hatche 167 0.78 Eggs Hatche 1621 0.91	
Replicate Larvae Number 5 Mean Ege Replicat Larvae Number 4 Mean Ege	Deposit Date 7/28/01 gs Producte: G Deposit Date 7/26/01 gs Producte: H Deposit	Case Preparation D ed per Female Case Preparation R	: 215	Eggs Eggs 18	Counted Mean Eg Counted	Per Rin Per Rin 26 ggs Hat	g ched p ag 22 ched p	Number of Rings er Female: Number of Rings 86	Eggs Direct Count 215 167 Eggs Direct Count 1621 Eggs Direct	Eggs Estimate Count Mean P Eggs Estimate Count 1789 Mean P	All Eggs Not Hatched roportion F All Eggs Not Hatched	Eggs Not Hatched: (48 Hatched: (68 Hatched: 168 Hatched: 168 Hatched: 168 Hatched: 168 Hatched: 168	Eggs Hatcher 167 0.78 Eggs Hatcher 1621 0.91	
Replicate Larvae Number 5 Mean Ege Replicat Larvae Number 4 Mean Ege Replicat	Deposit Date 7/28/01 gs Producte: G Deposit Date 7/26/01 gs Producte: H Deposit	Case Preparation D ed per Female Case Preparation R ed per Female	: 215	Eggs Eggs 18	Counted Counted 22 Mean E	Per Rin Per Rin 26 ggs Hat	g ched p ag 22 ched p	Number of Rings er Female: Number of Rings 86 er Female: Number of Rings	Eggs Direct Count 215 167 Eggs Direct Count 1621 Eggs Direct	Eggs Estimate Count Mean P Eggs Estimate Count 1789 Mean P	All Eggs Not Hatched roportion F All Eggs Not Hatched	Eggs Not Hatched 48 Hatched: (Eggs Not Hatched 168 Hatched:	Eggs Hatche 167).78 Eggs Hatche 1621 0.91	

etra T	ech N	JS Inc								Date	:	1	0/8/01
	spin R									Proje	ect:		01032
0 0011	Ориги									SDG		•	5286
Vilmin	gton, N	MA 018	87-1	062						Site:		N0564	1-0322
ample	ID: 019	9983	Samı	ole Na	me: D0	32111	PSD	-TT1901-	06 M	éthod: 10	0.5SGR		
eplicate	e: A								Eggs	Eggs	All Eggs	Eggs	
.arvae lumber	Deposit Date	Case Preparation		Eggs C	ounted P	er Ring		Number of Rings	Direct Count	Estimate Count	Not	Not Hatched	Eggs Hatched
2	7/27/01	A							947			0	
3	7/28/01	R	23	22	24	22	17	52		1123	A		0
7	8/2/01	R	22	20	26	24	26	85		2006		278	1728
lean Foo	s Produce	ed per Female	: 1359	9 N	lean Egg	s Hatch	ed pe	r Female: 8	64	Mean Pro	portion H	atched: 0	.43
y	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,												
teplicati _arvae tumber	e: B Deposit Date	Case Preparation		Eggs C	ounted F	Per Ring		Number of Rings	Eggs Direct Count	Eggs Estimate Count	All Eggs Not Hatched	Eggs Not Hatched	Eggs Hatched
		R	18	20	20	24	19	73		1475		262	1213
4 7	7/25/01 7/30/01	R	23	20	23	23	23	65		1456		22	1434
8	8/4/01	R	20	23	21	21	13	116		2274		36	2238
9	8/7/01	R	20	21	18	19	18	42		806		371	435
		ed per Female	150	3 N	Mean Eq	as Hatch	ed pe	r Female: 1	1330	Mean Pr	oportion H	latched: (0.83
nean Ly	gs (10000	00 poi (0					·						
Replicat Larvae Number	te: C Deposit Date	Case Preparation		Eggs C	Counted	Per Ring	ı	Number of Rings	Eggs Direct Count	Eggs Estimate Count	All Eggs Not Hatched	Eggs Not Hatched	Eggs Hatche
2	7/24/01	R	18	20	24	19	18	55		1089	•••	201	888
	· -	ed per Female	108	<u> </u>	Mean Fo	os Hatc	ned p	er Female:	888	Mean P	roportion I	latched:	0.82
Alean Eâ	ys Floor	ed per i eman	J. 100				,						
Replicat	te: D								Eggs	Eggs	All Eggs		_
Larvae Number	Deposit Date	Case Preparation		Eggs (Counted	Per Ring)	Number of Rings	Direct Count	Estimate Count	Not Hatched	Not Hatched	Eggs Hatche
6	7/30/01	R	16	19	17	18	17	58		1009		54	955
7	7/30/01	R	19	20	20	21	19	70		1386		80	1306
8	8/4/01	A							898				
9	8/4/01	R	14	14	19	19	14	93		1488		236	1252

Tetra 1	Tech N	US Inc								Date	:	1	0/8/01
	spin R									Proje	ect:		01032
JO JO.,										SDG			5286
Wilmin	gton, N	1A 018	87-1	1062						Site:		N0564	4-0322
Sample	ID: 019	9983	Sam	ple Na	me: D	03211 I	PSD	-TT1901-	-06 M	ethod: 10	0.5SGR		
Replicate	e: E								Eggs	Eggs	All Eggs	Eggs	
Larvae Number	Deposit Date	Case Preparation		Eggs Co	ounted	Per Ring		Number of Rings	Direct Count	Estimate Count	Not Hatched	Not	Eggs Hatched
1	7/23/01	D							64		A		0
2	7/22/01	R	14	24	20	24	15	65		1261		132	1129
Mean Eg	gs Produce	ed per Female	663	N	lean Eg	gs Hatch	ed pe	r Female: 5	65	Mean Pro	oportion Ha	atched: 0	.45
Replicat		0						Number	Eggs Direct	Eggs Estimate	All Eggs Not	Eggs Not	Eggs
Larvae Number	Deposit Date	Case Preparation		Eggs C	ounted	Per Ring		of Rings	Count	Count	Hatched		
1	7/23/01	A							430				
2	7/28/01	R	14	16	21	18	16	57		969		35	934
3	7/28/01	R	19	20	22	20	18	73		1445		14	1431
4	7/31/01	R	14	15	14	16	14	42		613		15	598
6	8/2/01	R	24	18	26	20	24	94		2106		259	1847
7	8/4/01	R	10	17	17	17	11	19		274		78	196
Mean Eg	gs Produce	ed per Female	: 973	N	lean E	gs Hatch	ed p	er Female:	1001	Mean Pr	oportion H	atched: (0.90
Replicat	e: G								Eggs	Eggs	All Eggs	Eggs	
Larvae Number	Deposit Date	Case Preparation		Eggs C	ounted	Per Ring		Number of Rings	Direct Count	Estimate Count	Not Hatched	Not Hatched	Eggs Hatched
4	7/25/01 .	R	20	22	24	22	18	67		1420		256	1164
6	7/31/01	R	13	20	21	19	18	78		1420		6	1414
9	7/31/01	D							250			127	123
10	8/5/01	Α							817				

								- Ctair i					
etra T	ech Ńl	JS Inc								Date:	:		0/8/01
	spin Ro	_								Proje	ect:	(01032
	•									SDG			5286
Vilming	gton, M	IA 0188	37-1	062						Site:		N0564	-0322
ample I	D: 020	0001 S	Samp	le Nar	ne: D0	3387 11	PSD-	TT3302-	06 Me	thod: 10	0.5SGR		
eplicate	: A							.	Eggs	-00	All Eggs	Eggs Not	Eggs
.arvae lumber	Deposit Date	Case Preparation	1	Eggs Co	ounted P	er Ring		Number of Rings	Direct Count	Estimate Count	Not Hatched		Hatched
1	8/2/01	R	18	20	16	20	20	55		1034		93	941
4	8/8/01	R	9	13	17	13	16	76		1034		138	896
lean Egg	s Produce	ed per Female:	1034	M	lean Eg	s Hatch	ed per	r Female: 9	18	Mean Pro	oportion H	atched: 0	.89
Replicate	Deposit	Case Preparation		Eggs C	ounted !	Per Ring		Number of Rings	Eggs Direct Count	Eggs Estimate Count	All Eggs Not Hatched	Eggs Not Hatched	Eggs Hatched
Number ———	Date			20	17	19	20	55		1034		93	941
3	7/25/01	R	18		24	20	18	76		1535		21	1514
6	7/28/01	R	18	21 20	23	24	17	81		1604		222	1382
8	8/1/01	R	15	20	23	27	••	0,	1562				
10	8/7/01	A ed per Female	143	4 1	Mean Ed	os Hatch	ned pe	er Female:		Mean Pi	roportion H	latched: (0.92
		eu per r amaio		,	•		•						
Replicat Larvae Number	e: C Deposit Date	Case Preparation		Eggs (Counted	Per Ring	}	Number of Rings	Eggs Direct Count	Eggs Estimate Count	All Eggs Not Hatched	Eggs Not Hatched	Eggs Hatched
7	8/3/01	R	12	20	21	20	16	66	-	1175	Α		0
8	8/6/01	R	20	25	20	18	20	64		1318		13	1305
9	8/8/01	R	12	17	16	18	14	89		1371		11	1360
		ped per Female	: 128	18	Mean E	ggs Hato	hed p	er Female:	888	Mean P	roportion	Hatched:	0.66
Replicat	te: D								Eggs	Eggs	All Egg:	Eggs	
Larvae Number	Deposit	Case Preparation		Eggs	Counted	Per Rin	9	Number of Rings	Direct	Estimate	e Not	Not	Eggs d Hatche
5	8/1/01	D							114		A		0
7	8/2/01	R	16	18	20	16	20	100		1800		21	1779
		R	16	16	19	18	21	45		810		0	810

etra T	ech N	JS Inc								Date	:	1	0/8/01
	spin Ro									Proje			01032
,	эршт	, u u								SDG			5286
∕∕ilmin	gton, N	1A 018	87-1	062						Site:		N0564	1-0322
Sample	ID: 020	0001 5	Samp	ole Na	ne: D0	3387	IPSD	-TT3302-	06 Mé	thod: 10	0.5SGR		
Replicate	e: E								Eggs	Eggs	All Eggs	Eggs	_
Larvae Number	Deposit _. Date	Case Preparation		Eggs C	ounted F	er Ring	J	Number of Rings	Direct Count	Estimate Count	Not Hatched	Not Hatched	Eggs Hatched
3	8/12/01	R	26	27	24	23	24	74		1835		226	1609
6	8/15/01	D							78		Α		0
7	8/15/01	R	15	19	19	18	16	55		957	A		0
8	8/15/01	Α							344				
9	8/20/01	R	19	21	19	20	18	77		1494		188	1306
Mean Egg	s Produce	ed per Female:	942	N	lean Eg	gs Hatc	hed pe	r Female: 7	29	Mean Pr	oportion H	atched: ().44
Replicat	e: F								Eggs	Eggs	All Eggs	Eggs	Sage
Larvae Number	Deposit Date	Case Preparation		Eggs C	ounted I	Per Ring	9	Number of Rings	Direct Count	Estimate Count	Not Hatched	Not Hatched	
1	7/28/01	R	20	22	20	24	18	74		1539		190	1349
6	8/20/01	Α							1210				
Mean Eg	gs Produc	ed per Female	: 137	5 N	Aean Eg	gs Hato	hed pe	er Female: 1	349	Mean P	roportion H	latched:	0.88
Replicat	e: G								Eggs	Eggs	All Eggs	Eggs	
Larvae Number	Deposit Date	Case Preparation		Eggs C	ounted	Per Rin	g	Number of Rings	Direct Count	Estimate Count	Not	Not Hatched	Eggs Hatched
4	8/5/01	R	18	19	16	18	24	84		1596		172	1424
8	8/15/01	R	16	24	22	22	18	74		1510	Α		0
9	8/15/01	R	12	13	15	16	11	57		764	Α		0
Mean Ed	as Produc	ed per Female	: 129	0 1	Mean Eg	gs Hate	ched p	er Female:	475	Mean F	roportion l	latched:	0.30
Replicate Larvae Number	Deposit	Case Preparation		Eggs (Counted	Per Rir	ng	Number of Rings	Eggs Direct Count	Eggs Estimate Count		Eggs Not Hatche	Eggs d Hatche
1	7/30/01	R	11	15	15	14	15	51		714		7	707
•		R		18	18	17	15	48		797		184	613

	•		•	•						<u> </u>			
Γetra T	ech Nl	JS Inc								Date:		-	0/8/01
5 Jons										Proje	ct:	(01032
,0 001.10										SDG			5286
Vilming	gton, M	1A 0188	37-1	062						Site:		N0564	-0322
Sample	D: 020	0002	Samp	le Nai	me: D0	3392 IF	PSD	-TT3202-	06 Me	ethod: 10	0.5SGR		
Replicate	: A								Eggs		All Eggs Not	Eggs Not	Egg\$
Larvae Number	Deposit Date	Case Preparation	1	Eggs C	ounted F	er Ring		Number of Rings	Direct Count	Estimate Count	Hatched	Hatched	Hatched
2	7/26/01	R	21	24	24	22	18	66		1439		48	1391
3	7/28/01	R	20	22	26	21	20	68		1482		189	1293
4	8/1/01	Α							331				
		ed per Female:	1084		lean Eg	gs Hatch	ed pe	r Female: 1	342	Mean Pro	oportion H	atched: 0	.92
												_	
Replicate Larvae	Deposit	Case Preparation		Engs C	counted l	Per Ring		Number of Rings	Eggs Direct Count	Eggs Estimate Count	All Eggs Not Hatched	Eggs Not Hatched	Eggs Hatched
Number	Date				24	21	18	74		1465		267	1198
3	7/29/01	R	16	20	_	19	15	80		1312		92	1220
8	8/10/01	R	15	16	17		15	94		1711		479	1232
9	8/10/01	R	15	19	22	20					roportion h	latched: (3.82
Mean Eg	gs Produc	ed per Female	: 1496	5 I	Mean Eg	gs Hatch	ed p	er Female: 1	1217	mean P	iopoition i	igitureu.	J.02
Replicat		0						Number	Eggs Direct	Eggs Estimate	All Eggs Not	Eggs Not	Eggs
Larvae Number	Deposit Date	Case Preparation		Eggs (Counted	Per Ring		of Rings	Count	Count	Hatched	Hatched	Hatched
2	8/3/01	R	15	22	21	21	18	52		1009		37	972
5	8/9/01	R	14	16	17	15	13	60		900		134	766
6	8/11/01	R	15	18	20	19	12	57		958		284	674
	gs Produc	ed per Femal	e: 955		Mean E	ggs Hatc	hed p	er Female:	804	Mean F	Proportion	Hatched:	0.84
Replica	te: D								Eggs	Eggs	Ali Egg:		-
Larvae Number	Deposit Date	Case Preparation		Eggs	Counted	Per Ring	9	Number of Rings	Direct Coun			Not d Hatche	Eggs d Hatcher
3	7/29/01	R	14	21	22	24	17	52		1019		37	982
7	8/8/01	R	14	21	22	21	15	64		1190		11	1179
8	8/13/01		20		22	21	20	63		1310		7	1303
		ced per Fema	la: 11	73	Mean F	ggs Hate	hed	per Female	1155	Mean	Proportion	Hatched:	0.98

etra 1	Tech N	US Inc								Date	•	1	0/8/01
	spin R									Proje	ect:		01032
										SDG			5286
Vilmin	gton, N	<i>I</i> A 018	87-	1062						Site:		N0564	1-0322
Sample	ID: 020	0002	Sam	ple Na	me: D	03392	IPSD	-TT3202-	-06 M	ethod: 10	0.5SGR		
Replicate	e: E								Eggs	Eggs	All Eggs	Eggs	
_arvae lumber	Deposit Date	Case Preparation		Eggs C	ounted I	Per Ring	1	Number of Rings	Direct Count	Estimate Count	Not Hatched	Not	Eggs Hatched
1	8/1/01	R	11	15	15	14	6	54		659		56	603
3	8/9/01	R	16	14	16	14	15	46		690		112	578
8	8/19/01	R	16	22	22	21	15	73		1402		245	1157
11	8/23/01	R	23	19	20	24	22	60		1296	Α		0
lean Eg	gs Produc	ed per Female	: 101	2 N	Mean Eg	gs Hatc	hed pe	r Female: 5	84	Mean Pro	portion H	atched: 0	.64
Replicat	e: F								Eggs	Eggs	All Eggs	Eggs	
Larvae Number	Deposit Date	Case Preparation		Eggs C	Counted	Per Ring	9	Number of Rings	Direct Count	Estimate Count	Not	Not Hatched	Eggs Hatcher
2	7/29/01	R	16	20	18	18	14	49		843		149	694
4	8/6/01	R	22	18	20	24	20	46		957	Α		0
5	8/5/01	R	18	24	25	24	22	100		2260		64	2196
7	8/10/01	Α							1314				
9	8/12/01	R	18	19	20	16	19	123		2263		222	2041
10	8/12/01	R	24	23	22	23	24	65		1508		669	839
viean Eg	gs Produc	ed per Female	: 152	24	Mean E	ggs Hate	ched p	er Female:	1154	Mean Pr	oportion H	latched: (0.65
Replica	te: G								Eggs	Eggs	All Eggs	Eggs	_
Larvae Number	Deposit Date	Case Preparation		Eggs (Counted	Per Rin	9	Number of Rings	Direct Count	Estimate Count	Not Hatched	Not Hatched	Eggs Hatche
5	8/7/01	Α							1250				
6	8/9/01	D							52			3	49
U									283		Α		0

Tetra Tech NUS I	nc	Date:	10/8/01
55 Jonspin Road		Project:	01032
		SDG	5286
Wilmington, MA	01887-1062	Site:	N0564-0322

Sample ID: 020002

Sample Name: D03392 IPSD-TT3202-06 Method: 100.5SGR

Replicate: H

Larvae Number	Deposit Date	Case Preparation		Eggs C	ounted	Per Rin	9	Number of Rings	Eggs Direct Count	Eggs Estimate Count	All Eggs Not Hatched	Eggs Not Hatched	Eggs Hatched
7	8/1/01	R	16	17	21	20	15	49		872		147	725
9	8/13/01	R	24	23	23	22	21	97		2192		298	1894

Mean Eggs Produced per Female: 1532

Mean Eggs Hatched per Female: 1310

Mean Proportion Hatched: 0.85

Tetra 1	ech N	US Inc								Date	:	1	0/8/01
	spin R	_					•			Proje	ect:		01032
										SDG	;		5286
Wilmin	gton, N	/A 018	87-1	062						Site:		N0564	4-0322
Sample	ID: 02	0012	Samı	ole Nar	ne: D0	3396	IPSD	-WW06-0	62 Me	ethod: 10	00.5SGR		
Replicate	e: A								Eggs	Eggs	All Eggs	Eggs	
Larvae Number	Deposit Date	Case Preparation		Eggs Co	ounted F	er Ring		Number of Rings	Direct Count	Estimate Count	Not	Not Hatched	Eggs Hatched
3	7/25/01	R	18	16	17	18	16	29		493		39	454
4	7/26/01	R	18	24	25	22	23	54		1210		41	1169
8	8/3/01	R	20	20	21	22	16	88		1742		982	760
10	8/3/01	R	10	15	13	15	11	90		1152		152	1000
Mean Egg	s Produc	ed per Female:	: 1149	9 N	lean Eg	gs Hatch	ned pe	r Female: 8	46	Mean Pr	oportion H	atched: 0	.80
Replicate	e: B Deposit	Case						Number	Eggs Direct	Eggs Estimate	All Eggs Not	Eggs Not	Egg s
Number	Date	Preparation		Eggs C	ounted I	Per Ring	1	of Rings	Count	Count	Hatched	Hatched	Hatched
4	7/29/01	R	18	20	20	22	18	58		1137		39	1098
7	8/2/01	Α							259				
9	8/2/01	R	22	24	26	26	22	76		1824		14	1810
11	8/3/01	R	10	14	12	18	14	109		1482		4	1478
Mean Eg	gs Produc	ed per Female	: 117	6 N	lean Eg	gs Hatc	hed pe	er Female: 1	462	Mean Pr	oportion H	atched: (0.99
Replicat	e: C	•							Eggs	Eggs	All Eggs	Eggs	_
Larvae Number	Deposit Date	Case Preparation		Eggs C	ounted	Per Rin	•	Number of Rings	Direct Count	Estimate Count	Not Hatched	Not Hatched	Eggs Hatched
7	7/27/01	R	18	17	19	21	16	74		1347		158	1189
10	8/4/01	Α							1584				
Maan Ea	gs Produc	ed per Female	: 146	5 N	Mean Eg	gs Hato	hed p	er Female:	1189	Mean P	roportion h	latched:	0.88
mean cy	_								Eggs	Eggs	All Eggs	Eggs	
Replicat	e: D							Number	Direct	Estimate	Not	Not	Eggs
	e: D Deposit Date	Case Preparation		Eggs C	ounted	Per Rin	9	of Rings	Count			Hatched	

Tetra ¹	Tech N	IUS Inc								Date	٠.	1	0/8/01
	nspin R									Proje		•	01032
										SDG			5286
Wilmir	ngton, I	MA 018	87-	1062						Site		N056/	4-0322
										Oile.			
Sample	ID: 02	0012	Sam	ple Na	me: D	03396	IPSD)-WW06-(062 M	ethod: 10	00.5SGF	t	
Replicat	e: E								Eggs	Eggs	All Eggs	Eggs	
Larvae Number	Deposit Date	Case Preparation		Eggs C	ounted !	Per Ring)	Number of Rings	Direct Count	Estimate Count	Not Hatched	Not	Eggs Hatched
4	7/24/01	R	20	22	24	21	18	46		966		120	846
6	7/29/01	R	24	22	24	20	20	46		1012		40	972
Mean Eg	gs Produc	ed per Female:	989	N	lean Eg	gs Hatc	hed pe	r Female: 9	09	Mean Pr	oportion H	atched: 0	.92
Replicat	e· F												
		Case						Number	Eggs	Eggs	Ali Eggs	Eggs	Enne
Larvae Number	Deposit . Date	Preparation		Eggs C	ounted	Per Ring	3	of Rings	Direct Count	Estimate Count	Not Hatched	Not Hatched	Eggs Hatched
4	7/28/01	R	21	22	24	20	16	61		1257		202	1055
5	7/30/01	R	17	21	20	21	19	58		1137		58	1079
9	8/3/01	A							1332				
10	8/5/01	A							1065				
Mean Eg	gs Produc	ed per Female:	1190	3 N	lean Eg	gs Hato	hed pe	er Female: 1	067	Mean Pr	oportion H	atched: 0	.89
Replicat	e: G								Eggs	Eggs	All Eggs	Foot	
Larvae Number	Deposit Date	Case Preparation		Eggs C	ounted	Per Ring	9	Number of Rings	Direct Count	Estimate Count	Not	Eggs Not Hatched	Eggs Hatched
4	7/25/01	R	20	22	24	26	22	63		1436		97	1339
5	7/26/01	R	22	23	24	24	18	71		1576		546	1030
8	7/29/01	R	28	24	20	26	24	83		2025		294	1731
Mean Eg	gs Produc	ed per Female:	1679	9 N	lean Eg	gs Hato	hed pe	er Female: 1	367	Mean Pr	oportion H	latched: 0	.81
Replicat	e: H								Eggs	Eggs	All Eggs	Egg s	
Larvae Number	Deposit Date	Case Preparation		Eggs C	ounted	Per Rin	9	Number of Rings	Direct Count	Estimate Count	Not	Not Hatched	Eggs Hatched
3	7/24/01 .	R	20	24	22	20	24	58		1276		71	1205
4	7/29/01	R	16	20	18	18	20	36		662		49	613
5	7/30/01	R	15	17	16	15	15	54		842		42	800
6	8/1/01	R ·	22	23	23	23	22	88		1989		310	1679

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NUS Inc								Date	∌:	1	0/8/01
Road								•			01032
									-		5286
i, MA 0	1887-	1062						Site	:	N056	4-0322
020013	Sam	ple Na	me: D	03401	IPSD	-TT1802-	-06 M	ėthod: 1	00.5SGF	₹	
							Ease	Eage	All Eage	Enne	
	on .	Eggs C	ounted	Per Ring	}	Number of Rings	Direct Count	Estimate Count	Not Hatched	Not Hatched	Eggs Hatched
01 R	16	21	23	24	20	63		1310		28	1282
01 R	24	22	25	22	24	67		1568		74	1494
01 R	18	20	22	22	21	103		2122		26	2096
duced per Fem	ale: 166	7 N	dean Eg	gs Hato	hed pe	r Female: 1	624	Mean Pr	oportion H	atched: 0	.97
	. .	Enas C	Counted	Per Ring		Number of Rings	Eggs Direct	Eggs Estimate	All Eggs Not	Eggs Not Hatched	Eggs Hatched
•					, 	0.1190					0
-	6	12	21	19	15	118	143	1723	^	53	1670
	_	_								24	996
	•	24	24	26		101		2222		5	2217
	ale: 127	B #	Mean Eo	os Hato	hed pe	r Female: 1	1221	Mean P	roportion H	atched: 0).74
34000 por 7 0		•		,go							
	on.	Eggs (Counted	Per Ring	9	Number of Rings	Eggs Direct Count			Eggs Not Hatched	Eggs Hatched
		21	21	16	17	86		1634		28	1606
	10	11	13	12	10	69		773		19	754
duced per Fem	ale: 120	3 I	Mean Eg	gs Hato	hed pe	er Female: 1	1180	Mean P	roportion F	latched: (0.98
								_	=	_	
	on	Eggs (Counted	Per Rin	9	Number of Rings	Eggs Direct Count		Not	Not	Eggs Hatched
			10	20	20	63		1235		22	1213
)1 R	19	20	19	20							
01 R 01 D	19	20	19	20			998		•		
	19 25	20	20	24	23	95	998	2147		137	2010
	o20013 sit Case e Preparation o1 R o1 D o1 R o1 R	n Road n, MA 01887- 020013 Sam sit Case e Preparation 01 R 16 01 R 24 01 R 18 duced per Female: 166 sit Case e Preparation 01 R 6 01 R 7 01 R 13 duced per Female: 127 sit Case le Preparation 01 R 10 duced per Female: 127 sit Case le Preparation	NUS Inc. Road 1, MA 01887-1062 020013 Sample Na sit Case e Preparation Eggs 0 101 R 16 21 101 R 24 22 101 R 18 20 duced per Female: 1667 sit Case e Preparation Eggs 0 101 D 101 R 6 12 101 R 7 11 101 R 13 24 duced per Female: 1278 sit Case e Preparation Eggs 0 101 R 13 24 duced per Female: 1278 sit Case le Preparation Eggs 0 101 R 10 11 duced per Female: 1203	NUS Inc. 1 NUS Inc. 1 Road 1 NA 01887-1062 020013 Sample Name: Desit Case Preparation Eggs Counted Preparation R 16 21 23 Preparation R 18 20 22 Equipment R 19 Eggs Counted Preparation Eggs Counted Preparation R 19 Eggs Counted Preparation Eggs Counted Preparati	NUS Inc. Road 1, MA 01887-1062 020013	NUS Inc Road 1, MA 01887-1062 020013 Sample Name: D03401 IPSD sit Case Preparation Eggs Counted Per Ring 101 R 16 21 23 24 20 101 R 24 22 25 22 24 101 R 18 20 22 22 21 duced per Female: 1667 Mean Eggs Hatched per Sit Case Preparation Eggs Counted Per Ring 101 D 101 R 6 12 21 19 15 101 R 7 11 13 13 16 101 R 13 24 24 26 23 duced per Female: 1278 Mean Eggs Hatched per Sit Case Preparation Eggs Counted Per Ring 101 R 13 24 24 26 23 duced per Female: 1278 Mean Eggs Hatched per Sit Case Preparation Eggs Counted Per Ring 101 R 10 11 13 12 10 101 R 20 21 21 16 17 101 R 10 11 13 12 10 Induced per Female: 1203 Mean Eggs Hatched per Sit Case Preparation Eggs Counted Per Ring 101 R 20 21 21 16 17 101 R 10 11 13 12 10 Induced per Female: 1203 Mean Eggs Hatched per Sit Case	NUS Inc Road	NUS Inc Road Road	NUS Inc Proj SDC Site Proj SDC Site Preparation Eggs Counted Per Ring Proj SDC Site Preparation Eggs Counted Per Ring Proj Proj Proj SDC Site Preparation Eggs Counted Per Ring Proj Proj	NUS Inc Project: SDG Site:	NUS Inc Project: SDG Site: N056- Number Site: Not Not Not Number Site: Not Number Number Site: Not Number Number Site: Not Number Number Site: Not Number Num

Tetra 1	Tech N	US Inc								Date	: :	1	0/8/01
55 Jon	spin R	oad								Proje	ect:		01032
										SDG	}		5286
Wilmin	gton, M	MA 018	87-	1062						Site:		N0564	1-0322
Sample	ID: 02	0013	Sam	ple Na	me: D	03401	IPSD	-TT1802-	-06 M	ethod: 10	00.5SGR		
Replicate	e: E								Eggs	Eggs	Ail Eggs	Eggs	
Larvae Number	Deposit Date	Case Preparation		Eggs C	ounted (Per Ring)	Number of Rings	Direct Count	Estimate Count	Not	Not Hatched	Eggs Hatched
2	8/3/01	R	14	14	15	16	13	64		922		93	829
Mean Egg	s Produc	ed per Female:	922	N	lean Eg	gs Hatc	hed pe	r Female: 8	29	Mean Pro	oportion H	tched: 0	.90
Replicate	e· F												
Larvae Number	Deposit Date	Case Preparation		Eggs C	ounted	Per Rinç	,	Number of Rings	Eggs Direct Count	Eggs Estimate Count	All Eggs Not Hatched	Eggs Not Hatched	Eggs Hatched
3	8/1/01	R	17	20	21	20	15	54		1004		16	988
6	8/5/01	R	22	23	24	20	19	64		1382		14	1368
7	8/7/01	A							407				
Mean Eg	gs Produc	ed per Female:	931	N	lean Eg	gs Hatc	hed pe	r Female: 1	178	Mean Pr	oportion H	atched: 0	.99
Replicat	e: G								_	_	=	_	
Larvae Number	Deposit Date	Case Preparation		Eggs C	ounted	Per Ring	9	Number of Rings	Eggs Direct Count	Eggs Estimate Count	All Eggs Not Hatched	Eggs Not Hatched	Eggs Hatched
3	8/3/01	R	6	8	8	9	9	164		1312		31	1281
5	8/5/01	R	23	18	19	23	25	52		1123		98	1025
8	8/9/01	R	22	22	24	23	26	55		1287		8	1279
Mean Eg	gs Produc	ed per Female	: 124	1 A	Aean Eg	gs Hato	thed pe	er Female: 1	1195	Mean Pr	roportion H	atched: 0).96
Replicat	e: H								Eggs	Eggs	All Eggs	Eggs	
Larvae Number	Deposit Date	Case Preparation		Eggs C	ounted	Per Rin	9	Number of Rings	Direct Count	Estimate Count	Not	Not Hatched	Eggs Hatched
5	8/2/01	R	22	20	24	26	18	79		1738		37	1701
7	8/10/01	R	13	18	18	18	10	65		1001		211	790
8	8/11/01	R	18	22	19	18	12	73		1299		248	1051

Tetra `	Гесh N	US Inc								Date) :	1	0/8/01
55 Jor	spin R	oad								Proje	ect:		01032
	•									SDG	}		5286
Wilmin	gton, I	MA 018	87-	1062						Site:		N0564	4-0322
Sample	ID: 02	0024	Sam	ple Na	me: D	03407	IPSD	-TT1002	-06 M	ethod: 10	00.5SGR	}	
Replicate	e: A								_	_		_	
Larvae Number	Deposit Date	Case Preparation		Eggs C	ounted I	Per Ring		Number of Rings	Eggs Direct Count	Eggs Estimate Count	All Eggs Not Hatched	Eggs Not Hatched	Eggs Hatched
1	7/21/01	R	16	22	22	20	22	42		857		0	857
Mean Egg	s Produc	ed per Female	857	N	lean Eg	gs Hatch	ed pe	r Female: 8	57	Mean Pr	oportion H	atched: 1	.00
Replicate Larvae Number	e: D Deposit Date	Case Preparation		Eggs C	ounted l	Per Ring		Number of Rings	Eggs Direct Count	Eggs Estimate Count	All Eggs Not Hatched	Eggs Not Hatched	Eggs Hatched
3	7/28/01	R	22	24	25	26	20	66	•	1544		129	1415
5	7/27/01	R	14	18	17	18	15	61	•	1000	A		0
8	8/1/01	A							1680				
Mean Eg	gs Produc	ed per Female	: 140	8 A	lean Eg	gs Hatch	ned pe	er Female: 7	'08	Mean Pr	oportion H	atched: 0	.46
Replicat	e: F								_	_		F	
Larvae Number	Deposit Date	Case Preparation		Eggs C	ounted	Per Ring)	Number of Rings	Eggs Direct Count	Eggs Estimate Count	All Eggs Not Hatched	Eggs Not Hatched	Eggs Hatched
1	7/21/01	D							103			5	98
3	7/25/01	A							369				
Mean Eg	gs Produc	ed per Female	: 236	, p	Aean Eg	gs Hatcl	ned po	er Female: 9	98	Mean Pr	roportion H	latched: 0).95
Replicat	e: G								_	_		_	
Larvae Number	Deposit Date	Case Preparation		Eggs C	ounted	Per Ring	1	Number of Rings	Eggs Direct Count	Eggs Estimate Count		Eggs Not Hatched	Eggs Hatched
3	7/28/01	R	20	25	23	20	17	83		1743		972	771
4	7/29/01	Α							604				
5	7/29/01	R	24	14	20	16	18	55		1012		14	998
6	8/3/01	Α							1087				
8	8/3/01	R	17	16	13	13	11	53		742		75	667
9	8/5/01	R	14	16	18	16	17	32		518		5	513

Tetra Tech NUS Inc	Date:	10/8/01
55 Jonspin Road	Project:	01032
	SDG	5286
Wilmington, MA 01887-1062	Site:	N0564-0322

Sample ID: 020024

Sample Name: D03407 IPSD-TT1002-06 Method: 100.5SGR

Replicat	e: H								Eggs	Eggs	All Eggs	Eggs	
Larvae Number	Deposit Date	Case Preparation		Eggs C	ounted	Per Ring	9	Number of Rings	Direct Count	Estimate Count	Not Hatched	Not Hatched	Eggs Hatched
3	8/2/01	A							979				
4	8/1/01	R	15	19	19	18	16	43		748		3	745
6	8/3/01	R	18	20	21	19	15	81		1507		63	1444
7	8/4/01	. R	11	12	12	14	11	47		564		35	529

Mean Eggs Produced per Female: 949

Mean Eggs Hatched per Female: 906

Mean Proportion Hatched: 0.96

Tetra ⁻	Tech N	US Inc								Date	:	1	0/8/01
	spin R	-								Proje			01032
										SDG			5286
Wilmir	gton, I	MA 018	87- ⁻	1062						Site:		N0564	1-0322
Sample	ID: 02	0025	Sam	ple Na	me: D	03412 I	PSD	-TT1301	-06 M	ethod: 10	00.5SGR		
Replicat	e: A								_	_		_	
Larvae Number	Deposit Date	Case Preparation		Eggs (Counted	Per Ring		Number of Rings	Eggs Direct Count	Eggs Estimate Count	All Eggs Not Hatched	Eggs Not Hatched	Eggs Hatched
2	7/24/01	R	20	19	21	17	18	59		1121		106	1015
3	7/25/01	R	20	11	16	18	20	42		714		42	672
6	8/4/01	R	20	21	22	24	20	79		1691		279	1412
7	8/7/01	R	16	14	13	12	14	26		359		6	353
9	8/9/01	R	20	22	20	18	19	95		1881		64	1817
10	8/11/01	R	10	14	13	13	8	31		360		37	323
Mean Eg	gs Produc	ed per Female	: 102	1 1	Mean Eg	gs Hatch	ed pe	r Female: 9	32	Mean Pr	oportion H	atched: 0	.92
Replicat	e: B								Eggs	Eggs	Ali Eggs	Eggs	
Larvae Number	Deposit Date	Case Preparation		Eggs (Counted	Per Ring		Number of Rings	Direct Count	Estimate Count	Not	Not Hatched	Eggs Hatched
1	7/2801	R	14	18	20	16	15	42		697		35	662
3	8/3/01	R	17	21	22	23	19	60		1224		105	1119
4	8/5/01	R	24	17	18	20	16	89		1691			
5	8/7 <i>/</i> 01	R	20	16	18	20	15	. 84		1495		12	1483
6	8/27/01	A							958				
	as Produc	ed per Female	: 121	3	Mean Eq	gs Hatch	ed po	er Female:	1088	Mean Pi	roportion H	iatched: 0	.95
Mean Eg	90								Eggs	Eggs	All Eggs	Eggs	
Mean Eg Replicat	_							Number	Direct	Estimate	Not	Not	Eage
_	_	Case Preparation		Eggs	Counted	Per Ring		of Rings	Count	Count		Hatched	Eggs Hatched
Replicat Larvae	e: C Deposit		20	Eggs (Counted 20	Per Ring	19						
Replicat Larvae Number	e: C Deposit Date	Preparation	20 15					of Rings		Count		Hatched	Hatched

				•					•				
	Tech N		·					-		Date Proje			0/8/01 01032
										SDG	}		5286
Wilmir	ngton, I	MA 018	87-	1062						Site:	•	N0564	1-0322
Sample	ID: 02	0025	Sam	ple Na	me: D	03412	IPSD	-TT1301-	-06 M	éthod: 10	00.5SGF	1	
Replicat	e: D								Eggs	Eggs	All Eggs	Eggs	
Larvae Number	Deposit Date	Case Preparation		Eggs C	ounted	Per Ring		Number of Rings	Direct Count	Estimate Count	Not	Not	Eggs Hatched
2	8/5/01	R	16	20	24	22	23	37		777		38	739
4	8/10/01	Α							283				
6	8/20/01	A							442				
Mean Eg	gs Produc	ed per Female	501	N	lean Eg	gs Hatch	ned pe	r Female: 7	39	Mean Pr	oportion H	atched: 0	.95
Replicat	o F												
Larvae Number	Deposit Date	Case Preparation		Eggs C	ounted	Per Ring)	Number of Rings	Eggs Direct Count	Eggs Estimate Count	All Eggs Not Hatched	Eggs Not Hatched	Eggs Hatched
4	8/9/01	R	22	18	16	18	19	44		818		36	782
5	8/11/01	R	14	20	18	18	14	89		1495		318	1177
7	8/18/01	R	24	21	24	21	20	112		2464		51	2413
Mean Eg	gs Produc	ed per Female	: 159)3 N	Aean Eg	gs Hatch	hed po	er Female: 1	458	Mean Pr	oportion H	atched: 0	.91
Replicat	te. F												
Larvae Number	Deposit	Case Preparation		Eggs C	ounted	Per Rinç)	Number of Rings	Eggs Direct Count	Eggs Estimate Count	All Eggs Not Hatched	Eggs Not Hatched	Eggs Hatched
3	7/24/01	R	20	20	18	20	18	88		1690		411	1279
6	8/3/01	D							304		A		0
Mean Eg	gs Produc	ed per Female	: 997	7 I	Mean E	gs Hato	hed p	er Female: 6	539	Mean Pi	roportion H	latched: 0	.38
Replica	te: G								F	Face	All Eggs	Eggs	
Larvae Number	Deposit Date	Case · Preparation		Eggs C	Counted	Per Ring	,	Number of Rings	Eggs Direct Count	Eggs Estimate Count	Not	Not Hatched	Eggs Hatched
1	7/23/01	R	18	18	20	16	18	79		1422		60	1362
_	8/2/01	R	24	26	20	24	26	78		1872		176	1696
5										1997		147	1850

Tetra Tech NUS Inc	Date:	10/8/01
55 Jonspin Road	Project:	01032
	SDG	5286
Wilmington, MA 01887-1062	Site:	N0564-0322

Sample ID: 020025 Sample Name: D03412 IPSD-TT1301-06 Method: 100.5SGR

Replicate: H

Larvae Number	Deposit Date	Case Preparation		Eggs C	ounted	Per Rin	9	Number of Rings	Eggs Direct Count	Eggs Estimate Count	All Eggs Not Hatched	Eggs Not Hatched	Eggs Hatched
3	8/4/01	R	15	20	23	17	18	39		725	Α		0
5	8/4/01	Α							330				
7	8/7/01	A							774				

Mean Eggs Produced per Female: 610 Mean Eggs Hatched per Female: 0

Mean Proportion Hatched: 0.00

Tetra i	Tech N	IUS Inc								Date	9 :	1	0/8/01
55 Jor	nspin R	load								Proj		·	0103
	•									SDG			5286
∕∕ilmir	ngton, I	MA 018	87-1	1062						Site	:	N056	4-0322
Sample	ID: 02	0026	Sam	ple Na	me: D	03417	IPSE	D-TT3001	-06 M	ethod: 10	00.5SGF	₹	
Replicat	e: A								Eggs	Eggs	All Eggs	Eggs	
Larvae Number	Deposit Date	Case Preparation		Eggs (Counted I	Per Ring		Number of Rings	Direct Count	Estimate Count	Not	Not Hatched	Eggs Hatched
2	7/28/01	R	16	22	24	21	18	62		1252		91	1161
3	7/29/01	R	20	26	24	22	22	64		1459		313	1146
4	8/3/01	D							83			6	77
6	8/1/01	R	14	21	18	18	11	85		1394		254	1140
7	8/5/01	R	24	25	26	23	24	78		1903		145	1758
8	8/5/01	Α							878				
Mean Eg	gs Produc	ed per Female	: 1162	2 1	Mean Eg	gs Hatch	ed pe	er Female: 1	057 .	Mean Pr	oportion H	atched: 0	.88
Replicat	e: B								F	Face	All Eggs	Eage	
Larvae Number	Deposit Date	Case Preparation		Eggs (Counted I	Per Ring		Number of Rings	Eggs Direct Count	Eggs Estimate Count	Not Hatched	Eggs Not Hatched	Eggs Hatched
2	7/23/01	D							36		Α		0
3	7/25/01	R	18	18	20	16	20	99		1822		95	1727
lean Eg	gs Produc	ed per Female	: 929	<u></u>	Mean Eg	gs Hatcl	ned pe	er Female: 8	363	Mean Pr	oportion H	atched: 0).47
Replicat	e: C								_	_			
Larvae Number	Deposit Date	Case Preparation		Eggs (Counted (Per Ring)	Number of Rings	Eggs Direct Count	Eggs Estimate Count	All Eggs Not Hatched	Eggs Not Hatched	Eggs Hatched
6	8/3/01	D							715		Α		0
	8/3/01	Α							748				
7	G G G G												

ı etra	Tech N	IUS Inc								Date) :	1	0/8/01
55 Jor	nspin R	load								Proje	ect:		01032
	•	•								SDG			5286
Wilmir	ngton, I	MA 018	87-	1062						Site:		N056	4-0322
Sample	ID: 02	0026	Sam	ple Na	ame: D	03417	IPSD	-TT3001	-06 M	ethod: 10	00.5SGR	<u> </u>	
Replicat	e: E								Eggs	Eggs	All Eggs	Eggs	
Larvae Number	Deposit Date	Case Preparation		Eggs (Counted I	Per Ring		Number of Rings	Direct Count	Estimate Count	Nol	Not Hatched	Eggs Hatched
3	7/31/01	R	9	14	15	11	8	40		456		4	452
4	7/31/01	R	16	18	20	16	15	52		884		52	832
5	8/3/01	R	10	20	16	14	10	50		700		3	697
7	8/2/01	Α							203				
	•	ed per Female	561		Mean Eg	gs Hatch	ed pe	r Female: 6	660	Mean Pr	oportion H	atched: 0	.98
_	•	ed per Fernale Case Preparation	561		Mean Eg		·	Number of Rings	Eggs Direct Count	Eggs Estimate Count	All Eggs Not	Eggs Not Hatched	Eggs
Replicat Larvae	e: F Deposit	Case	561		-		·	Number	Eggs Direct	Eggs Estimate	All Eggs Not	Eggs Not	Eggs
Replicat Larvae Number	e: F Deposit Date	Case Preparation	561		-		·	Number	Eggs Direct Count	Eggs Estimate	All Eggs Not	Eggs Not Hatched	Eggs Hatched
Replicat Larvae Number 2	Deposit Date	Case Preparation D	21		-		·	Number	Eggs Direct Count	Eggs Estimate	All Eggs Not	Eggs Not Hatched	Eggs Hatched
Replicat Larvae Number 2 4 5	Deposit Date 7/23/01 7/28/01 7/28/01	Case Preparation D	21	Eggs (Counted 26	Per Ring	20	Number of Rings	Eggs Direct Count 172 731	Eggs Estimate Count	All Eggs Not	Eggs Not Hatched 10 395	Eggs Hatched 162 1767
Replicat Larvae Number 2 4 5 Mean Eg	Deposit Date 7/23/01 7/28/01 7/28/01 rgs Producte: G	Case Preparation D A R	21	Eggs (Counted 26	Per Ring	20	Number of Rings 94 er Female: 9	Eggs Direct Count 172 731	Eggs Estimate Count 2162 Mean Pr	All Eggs Not Hatched	Eggs Not Hatched 10 395 atched: C	Eggs Hatched 162 1767
Replicat Larvae Number 2 4 5	Deposit Date 7/23/01 7/28/01 7/28/01 gs Produc	Case Preparation D A	21	26 2	Counted 26	Per Ring 22 gs Hatc	20 ned pe	Number of Rings	Eggs Direct Count 172 731	Eggs Estimate Count 2162 Mean Pr	All Eggs Not Hatched	Eggs Not Hatched 10 395	Eggs Hatched 162 1767 .88
Replicat Larvae Number 2 4 5 Mean Eg Replicat Larvae	Deposit Date 7/23/01 7/28/01 7/28/01 gs Producte: G Deposit	Case Preparation D A R Red per Female	21	26 2	Counted 26 Mean Eg	Per Ring 22 gs Hatc	20 ned pe	Number of Rings 94 er Female: 9	Eggs Direct Count 172 731 Bessel Eggs Direct	Eggs Estimate Count 2162 Mean Pr Eggs Estimate	All Eggs Not Hatched	Eggs Not Hatched 10 395 atched: C	Eggs Hatched 162 1767 .88
Replicat Larvae Number 2 4 5 Mean Eg Replicat Larvae Number	Deposit Date 7/23/01 7/28/01 7/28/01 gs Producte: G Deposit Date	Case Preparation D A R Red per Female Case Preparation	21 : 102	Eggs (26 2 Eggs (26 Mean Ec	Per Ring 22 193 Hato	20 ned pe	Number of Rings 94 er Female: 9 Number of Rings	Eggs Direct Count 172 731 Bessel Eggs Direct	Eggs Estimate Count 2162 Mean Pr Eggs Estimate Count	All Eggs Not Hatched	Eggs Not Hatched 10 395 atched: C Eggs Not Hatched	Eggs Hatched 162 1767 .88 Eggs Hatched
Replicat Larvae Number 2 4 5 Mean Eg Replicat Larvae Number 2	Deposit Date 7/23/01 7/28/01 7/28/01 7/28/01 Deposit Date 7/26/01	Case Preparation D A R ed per Female Case Preparation R	21 : 102	26 2 Eggs (26 Mean Eg	Per Ring 22 pgs Hatch Per Ring 21	20 ned pe	Number of Rings 94 er Female: 9 Number of Rings 31	Eggs Direct Count 172 731 Bessel Eggs Direct	Eggs Estimate Count 2162 Mean Pr Eggs Estimate Count 688	All Eggs Not Hatched	Eggs Not Hatched 10 395 atched: C Eggs Not Hatched	Eggs Hatched 162 1767 .88 Eggs Hatched
Replicat Larvae Number 2 4 5 Mean Eg Replicat Larvae Number 2 4	Deposit Date 7/23/01 7/28/01 7/28/01 98 Producte: G Deposit Date 7/26/01 7/30/01	Case Preparation D A R Red per Female Case Preparation R R	21 : 102 20 14	26 2 Eggs (26 21	26 Mean Eg Counted 20 19	Per Ring 22 Per Ring Per Ring 21 18	20 ned pe	Number of Rings 94 Pr Female: 9 Number of Rings 31 64	Eggs Direct Count 172 731 Bessel Eggs Direct	Eggs Estimate Count 2162 Mean Pr Eggs Estimate Count 688 1114	All Eggs Not Hatched	Eggs Not Hatched 10 395 atched: C Eggs Not Hatched 27 83	Eggs Hatched 162 1767 .88 Eggs Hatched 661 1031

Larvae Number	Deposit Date	Case Preparation		Eggs	Counted F	Per Ring	l —	Number of Rings	Eggs Direct Count	Eggs Estimate Count	All Eggs Not Hatched	Eggs Not Hatched	Eggs Hatched
Replicate	e: G								_	_		_	
Mean Egg	gs Produc	ed per Female	: 969		Mean Egg	s Hatch	ned pe	r Female: 9	967	Mean Pr	oportion H	atched: 1	1.00
1	7/31/01	R	16	18	18	19	14	57		969		2	967
Replicate Larvae Number	e: C Deposit Date	Case Preparation		Eggs	Counted F	Per Ring	ı	Number of Rings	Eggs Direct Count	Eggs Estimate Count	All Eggs Not Hatched	Eggs Not Hatched	Eggs Hatched
Mean Egg	gs Produc	ed per Female	826		Mean Egg	s Hatch	ned pe	r Female: 8	318	Mean Pr	oportion H	atched: 0	.99
4	8/5/01	R	18	20	20	18	20	43		826		8	818
Replicate Larvae Number	e: A Deposit Date	Case Preparation		Eggs	Counted P	er Ring	ı	Number of Rings	Eggs Direct Count	Eggs Estimate Count	All Eggs Not Hatched	Eggs Not Hatched	Eggs Hatched
	s Produce	ed per Female			Mean Egg ame: Co		ned pe	r Female: 1		Mean Protection (1)	oportion H 00.5SGF		.92
9	8/7/01	R	25	23	26	21	16	80		1776		25	1751
7	8/4/01	R	15	21	18	18	16	93		1637		76	1561
5	7/28/01	A	. •					- -	224			_, _	
4	7/27/01 7/27/01	R R	14	16	22	20	16 18	65 60		1027 1080		16 272	1011 808
Larvae Number	Deposit Date	Case Preparation	13	Eggs	Counted P	Per Ring		Number of Rings	Eggs Direct Count	Eggs Estimate Count	All Eggs Not Hatched	Eggs Not Hatched	
Replicati	ID: 02	0020	Sam	ibie ia	arre. Do	J3 4 17	IPOD	-TT3001	-UO IVI	ethod: 10	JU.55GF	•	
	ngton, I	<u> </u>				20447				Site			4-0322
\ <i>\f</i> ilmin	aton I	MA 010	07	1062	,					SDO		NOSO	5286
55 Jor	ispin R	load								Proj	ect:		01032
										Date	ē.		10/8/01

Tetra	Tech N	US Inc								Date	e:	1	0/8/01
55 Jor	nspin R	load								Proj	ect:		01032
	·									SDO	}		5286
Wilmir	ngton, I	MA 018	87-	1062	2					Site		N0564	4-0322
Sample	ID: 02	0039	Sam	ple N	lame: D	03424	PSD	-PPO3-0	62 M	ethod: 10	00.5SGR		·
Replicat	e: B								Eggs	Eggs	Ali Eggs	Eggs	
Larvae Number	Deposit Date	Case Preparation		Eggs	Counted I	Per Ring		Number of Rings	Direct Count	Estimate Count	Not	Not Hatched	Eggs Hatched
3	8/8/01	Α							1196			-	
4	8/11/01	A							1138				
Mean Eg	gs Produc	ed per Female:	116	7	Mean Eg	gs Hatch	ed pe	r Female:		Mean Pr	oportion H	atched:	
Replicat Larvae Number	e: E Deposit Date	Case Preparation		Eggs	Counted I	Per Ring		Number of Rings	Eggs Direct Count	Eggs Estimate Count	All Eggs Not Hatched	Eggs Not Hatched	Eggs Hatched
5	8/6/01	R	18	17	20	22	18	91		1729		281	1448
6	8/6/01	R	26	23	20	20	19	62		1339		4	1335
Mean Eg	gs Produc	ed per Female:	153	4	Mean Eg	gs Hatch	ed pe	r Female: 1	392	Mean Pr	oportion H	atched: 0	.92
Replicat	e: F								F	F	All Eags	F	
Larvae Number	Deposit Date	Case Preparation		Foos	Counted	Per Rinn		Number of Rings	Eggs Direct Count	Eggs Estimate Count	All Eggs Not	Eggs Not Hatched	Eggs Hatched
4	8/7/01	A							583		Tiatorica		
		ed per Female:	583		Mean Eg	gs Hatch	ed pe	r Female:		Mean Pr	oportion H	atched:	
Replicat	a. G												
Larvae Number	Deposit Date	Case Preparation		Eggs	Counted	Per Ring		Number of Rings	Eggs Direct Count	Eggs Estimate Count	All Eggs Not Hatched	Eggs Not Hatched	Eggs Hatche
2	8/2/01	R	16	22	16	18	16	55		968		0	968
4	8/4/01	R	24	26	26	23	21	62		1488		3	1485

Tetra	Tech N	IUS Inc								Date	∋:	1	0/8/01
55 Joi	nspin F	Road								Proj	ect:		01032
										SDC	}		5286
Wilmir	ngton, I	MA 018	87-	1062						Site	:	N056	4-0322
Sample	D: 02	0040	Sam	ple Na	me: D	03429	IPSD	-TTSA01	-06 M	ethod: 1	00.5SGF	₹	
Replicat	le: B								Eggs	Eggs	All Eggs	Eggs	
Larvae Number	Deposit Date	Case Preparation		Eggs C	ounted	Per Ring	l 	Number of Rings	Direct Count	Estimate Count	Not	Not Hatched	Eggs Hatched
9	8/11/01	R	15	15	15	16	14	74		1110		106	1004
Mean Eg	gs Produc	ed per Female:	111	0 N	Mean Eg	gs Hatcl	hed pe	r Female: 1	004	Mean Pr	oportion H	atched: 0	.90
Replicat	le: C								Eggs	Eggs	All Eggs	Eggs	
Larvae Number	Deposit Date	Case Preparation		Eggs C	ounted	Per Ring)	Number of Rings	Direct Count	Estimate Count	Not	Not Hatched	Eggs Hatched
4	8/9/01	R	23	22	20	21	22	61		1318		174	1144
5	8/9/01	R	18	20	22	22	20	98		1999		43	1956
Mean Eg	gs Produc	ed per Female:	165	8 N	lean Eg	gs Hatcl	hed pe	r Female: 1	550	Mean Pr	oportion H	atched: 0	.92
Replicat	te: D								_			_	
Larvae Number	Deposit Date	Case Preparation		Eggs C	ounted	Per Ring)	Number of Rings	Eggs Direct Count	Eggs Estimate Count	All Eggs Not Hatched	Eggs Not Hatched	Eggs Hatched
8	8/12/01	R	26	24	27	24	25	89		2243		81	2162
Mean Eg	gs Produc	ed per Female:	224	3 A	Mean Eg	gs Hatcl	hed pe	r Female: 2	2162	Mean Pr	oportion H	atched: 0	.96
Replicat	te: E												
Larvae Number	Deposit Date	Case Preparation		Eggs C	ounted	Per Ring)	Number of Rings	Eggs Direct Count	Eggs Estimate Count	All Eggs Not Hatched	Eggs Not Hatched	Eggs Hatched
3	8/5/01	D							214			7	207
5	8/8/01	R	13	15	14	12	12	148		1954	Α		0
Mean Eg	gs Produc	ed per Female:	108	4 h	Mean Eg	gs Hatc	hed pe	r Female: 1	104	Mean Pr	oportion H	latched: 0	.48
Replicat	le: F								F		A 11 P	5	
Larvae Number	Deposit Date	Case Preparation		Eggs C	ounted	Per Ring)	Number of Rings	Eggs Direct Count	Eggs Estimate Count	All Eggs Not Hatched	Eggs Not Hatched	Eggs Hatched
4	8/3/01	Α						- ····	169			0	

Tetra Tech NUS Inc							Date	e :	1	0/8/01
55 Jonspin Road							Proj	ect:		01032
							SDC	3		5286
Wilmington, MA 0188	7-106	2					Site	:	N056	4-0322
Sample ID: 020040 S	ample i	Name: D	03429	IPSD	-TTSA01	-06 M	ethod: 1	00.5SGF	₹	
Replicate: G Larvae Deposit Case	Enn	Caustad	Des Dinn		Number	Eggs Direct	Eggs Estimate	All Eggs Not	Eggs Not	Eggs
Number Date Preparation		Counted	Perking		of Rings	Count	Count	Hatched	Hatched	Hatched
			_							
8 8/11/01 R	14 14	19	17	14	50		780		102	678
8 8/11/01 R Mean Eggs Produced per Female:					50 r Female: 6	578		oportion H		
							Mean Pr	,	atched: 0	
Mean Eggs Produced per Female:	780		gs Hatch			Eggs Direct Count		All Eggs Not Hatched		
Mean Eggs Produced per Female: Replicate: H Larvae Deposit Case	780	Mean Eg	gs Hatch		r Female: 6	Eggs Direct	Mean Pr Eggs Estimate	All Eggs Not	atched: 0 Eggs Not	.87 Eggs

Tetra	Tech N	IUS Inc								Date	≘:	1	10/8/01
55 Joi	nspin R	load								Proj			01032
	•									SDO			5286
Wilmir	ngton, I	MA 018	87-	1062						Site		N056	4-0322
Sample	D: 02	0041	Sam	ple Na	ame: D	03476	IPSD	-TTSD01	-06 M	ethod: 10	00.5SGF	₹	
Replicat	te: B								Eggs	Eage	All Eage	Ease	
Larvae Number	Deposit Date	Case Preparation		Eggs (Counted	Per Ring)	Number of Rings	Direct Count	Eggs Estimate Count	All Eggs Not Hatched	Eggs Not Hatched	Eggs Hatched
1	8/5/01	R	20	20	22	22	24	106		2290		521	1769
Mean Eg	gs Produc	ed per Female:	229	0	Mean Eg	gs Hatch	hed pe	r Female: 1	769	Mean Pr	oportion H	atched: 0	.77
Replicat Larvae Number	te: D Deposit Date	Case Preparation		Eggs (Counted	Per Ring	I	Number of Rings	Eggs Direct Count	Eggs Estimate Count	All Eggs Not Hatched	Eggs Not Hatched	Eggs Hatched
3	8/4/01	R	13	20	24	19	18	66		1241		277	964
7	8/8/01	R	17	19	19	17	15	135		2349		291	2058
Mean Eg	gs Produc	ed per Female:	179	5	Mean Eg	gs Hatcl	hed pe	r Female: 1	511	Mean Pr	oportion H	atched: 0	.83
Replicat	te: E												
Larvae Number	Deposit Date	Case Preparation		Eggs (Counted	Per Ring)	Number of Rings	Eggs Direct Count	Eggs Estimate Count	All Eggs Not Hatched	Eggs Not Hatched	Eggs Hatched
7	8/8/01	R	18	23	20	17	14	106		1950		38	1912
Mean Eg	gs Produc	ed per Female	195	0	Mean Eg	gs Hatch	hed pe	r Female: 1	912	Mean Pr	oportion H	atched: 0	.98
Replicat	te: F								_	_		_	
Larvae Number	Deposit Date	Case Preparation		Eggs (Counted	Per Ring	,	Number of Rings	Eggs Direct Count	Eggs Estimate Count	All Eggs Not Hatched	Eggs Not Hatched	Eggs Hatched
2	8/3/01	R	16	22	19	16	15	48		845		11	834
6	8/5/01	R	24	22	22	20	22	93		2046		188	1858
Mean Eg	gs Produc	ed per Female	: 144	5	Mean Eg	gs Hatc	hed pe	r Female:	1346	Mean Pr	roportion H	latched: ().95
Replicat	te: G								5	5	AH 5	5	
Larvae Number	Deposit Date	Case Preparation		Eggs (Counted	Per Ring	7	Number of Rings	Eggs Direct Count	Eggs Estimate Count		Eggs Not Hatched	Eggs Hatcher
4	8/8/01	R	22	19	21	18	15	44		836		14	822
5	8/10/01	R	24	27	24	21	21	74		1732		20	1712

Tetra Tech NUS Inc 55 Jonspin Road							Date Proj	ect:	1	0/8/01
Wilmington, MA 018	87-106	2					SD0 Site	_	N056	5286 4-0322
Sample ID: 020041 5	Sample N	Name: D	03476	PSE	D-TTSD01	I-06 M	lethod: 1	00.5SGF	₹	
Replicate: H					Number	Eggs	Eggs	All Eggs	Eggs	Eggs
Larvae Deposit Case Number Date Preparation	Eggs	Counted	Per Ring		of Rings	Direct Count	Estimate Count	Not Hatched	Not Hatched	Hatched
2 8/B/01 D				•		160				
3 8/8/01 D						160				
5 8/8/01 R	15 20	23	22	19	83		1643		310	1333

Mean Eggs Hatched per Female: 1333

Mean Eggs Produced per Female: 654

Mean Proportion Hatched: 0.81

Tetra	Tech N	IUS Inc								Date	e:		0/8/01
55 Joi	nspin F	Road								Proj		,	01032
	•									SDG			5286
Wilmir	ngton, i	MA 018	87-	1062						Site	:	N056	4-0322
Sample	e ID: 02	20072	Sam	ple Na	me: D	03486	IPSD)-TT04-06	526 M	ethod: 10	00.5SGF	₹	
Replicat	le: A								Eggs	Eggs	All Eggs	Eggs	
Larvae Number	Deposit Date	Case Preparation		Eggs C	ounted	Per Ring)	Number of Rings	Direct Count	Estimate Count	Not Hatched	Not Hatched	Eggs Hatched
5	8/3/01	Α		-					781				
Mean Eg	gs Produc	ed per Female:	781)	Aean Eg	gs Hatc	hed pe	r Female:		Mean Pro	oportion H	atched:	
Replicat Larvae Number	te: B Deposit Date	Case Preparation		Eggs C	ounted	Per Rinç)	Number of Rings	Eggs Direct Count	Eggs Estimate Count	All Eggs Not Hatched	Eggs Not Hatched	Eggs Hatched
1	8/1/01	R	20	22	23	22	19	71		1505		106	1399
5	8/4/01	A			-				76				
Mean Eg	gs Produc	ed per Female:	791	<u>_</u>	Mean Eg	gs Hatc	hed pe	r Female: 1	399	Mean Pro	oportion H	atched: 0	.93
Replicat	te: C								_	_		_	
Larvae Number	Deposit Date	Case Preparation		Eggs C	ounted	Per Ring	3	Number of Rings	Eggs Direct Count	Eggs Estimate Count	All Eggs Not Hatched	Eggs Not Hatched	Eggs Hatched
2	8/3/01	R	19	20	19	21	18	80		1552		59	1493
3	8/7/01	R	21	22	22	21	22	57		1231		64	1167
Mean Eg	gs Produc	ed per Female:	139	2 N	Aean Eg	gs Hatc	hed pe	r Female: 1	330	Mean Pr	oportion H	atched: 0	.96
Replicat Larvae Number	te: D Deposit Date	Case Preparation		Eggs C	Counted	Per Rinç	,	Number of Rings	Eggs Direct Count	Eggs Estimate Count	All Eggs Not Hatched	Eggs Not Hatched	Eggs Hatched
1	8/2/01	D							245		A		0
7	8/10/01	R	9	16	15	12	10	81		1004		1	1003
Mean Eg	gs Produc	ed per Female:	625		Mean Eg	gs Hatc	hed pe	r Female: 5	502	Mean Pr	oportion H	latched: 0	0.50
Replicat	te: E								F	Face	A4 5	Enec	
Larvae Number	Deposit Date	Case Preparation		Eggs C	ounted	Per Ring	9	Number of Rings	Eggs Direct Count	Eggs Estimate Count	All Eggs Not Hatched	Eggs Not Hatched	Eggs Hatched

Tetra Tech NUS Inc			Date	ə:	1	10/8/01
55 Jonspin Road			Proj	ect:		01032
38.711 1			SDC	_		5286
Wilmington, MA 01887-1062			Site	:	N056	4-0322
Sample ID: 020072 Sample Name: D03486 IP	PSD-TT04-06	326 M	ethod: 1	00.5SGF	₹	
Replicate: G		F	F	All C	F	
Larvae Deposit Case	Number	Eggs Direct	Eggs Estimate	Ali Eggs Not	Eggs Not	Eggs
Number Date Preparation Eggs Counted Per Ring	of Rings	Count	Count	Hatched	Hatched	Hatched
7 8/4/01 A		323				
Mean Eggs Produced per Female: 323 Mean Eggs Hatched	d per Female:		Mean Pr	oportion H	atched:	•
Replicate: H		F	F	A H F	-	
Larvae Deposit Case Number Date Preparation Eggs Counted Per Ring	Number of Rings	Eggs Direct Count	Eggs Estimate Count	All Eggs Not Hatched	Eggs Not Hatched	Eggs Hatched
4 8/4/01 D		64			64	0
6 8/5/01 A		789				
Mean Eggs Produced per Female: 427 Mean Eggs Hatched	d per Female: 0	 	Mean Pr	oportion H	atched: 0	.00
Mean Eggs Produced per Female: 427 Mean Eggs Hatched Sample ID: 020073 Sample Name: D03491 IP	•		Mean Proethod: 10	•		.00
	•	526 M	ethod: 10	00.5SGF	₹	.00
Sample ID: 020073 Sample Name: D03491 IP	•			OO.5SGF All Eggs Not		Eggs
Sample ID: 020073 Sample Name: D03491 IP Replicate: B Larvae Deposit Case Number Date Preparation Eggs Counted Per Ring	PSD-HB00-06	626 M Eggs Direct	ethod: 10 Eggs Estimate	OO.5SGF All Eggs Not	₹ Eggs Not	Eggs
Sample ID: 020073 Sample Name: D03491 IP Replicate: B Larvae Deposit Case Number Date Preparation Eggs Counted Per Ring	Number of Rings	Eggs Direct Count	Eggs Estimate Count 1238	OO.5SGF All Eggs Not	Eggs Not Hatched	Eggs Hatched 1228
Sample ID: 020073 Sample Name: D03491 IP Replicate: B Larvae Deposit Case Number Date Preparation Eggs Counted Per Ring 2 8/1/01 R 18 20 18 21 1 Mean Eggs Produced per Female: 1238 Mean Eggs Hatched	Number of Rings	Eggs Direct Count	Eggs Estimate Count 1238	All Eggs Not Hatched	Eggs Not Hatched 10 atched: 0	Eggs Hatched 1228
Sample ID: 020073 Sample Name: D03491 IP Replicate: B Larvae Deposit Case Number Date Preparation Eggs Counted Per Ring 2 8/1/01 R 18 20 18 21 1 Mean Eggs Produced per Female: 1238 Mean Eggs Hatched	Number of Rings	Eggs Direct Count	Eggs Estimate Count 1238	All Eggs Not Hatched	Eggs Not Hatched 10 atched: 0	Eggs Hatched 1228 .99
Sample ID: 020073 Sample Name: D03491 IP Replicate: B Larvae Deposit Case Number Date Preparation Eggs Counted Per Ring 2 8/1/01 R 18 20 18 21 1 Mean Eggs Produced per Female: 1238 Mean Eggs Hatched Replicate: C Larvae Deposit Case	Number of Rings 14 68 d per Female: 1	Eggs Direct Count	Eggs Estimate Count 1238 Mean Pro Eggs Estimate	All Eggs Not Hatched oportion H	Eggs Not Hatched 10 atched: 0	Eggs Hatched 1228 .99
Sample ID: 020073 Sample Name: D03491 IP Replicate: B Larvae Deposit Case Number Date Preparation Eggs Counted Per Ring 2 8/1/01 R 18 20 18 21 1 Mean Eggs Produced per Female: 1238 Mean Eggs Hatched Replicate: C Larvae Deposit Case Number Date Preparation Eggs Counted Per Ring	Number of Rings 14 68 d per Female: 1	Eggs Direct Count 228 Eggs Direct Count	Eggs Estimate Count 1238 Mean Pro Eggs Estimate	All Eggs Not Hatched oportion H	Eggs Not Hatched 10 atched: 0 Eggs Not Hatched	Eggs Hatched 1228 .99 Eggs Hatched
Sample ID: 020073 Sample Name: D03491 IP Replicate: B Larvae Deposit Case Number Date Preparation Eggs Counted Per Ring 2 8/1/01 R 18 20 18 21 1 Mean Eggs Produced per Female: 1238 Mean Eggs Hatched Replicate: C Larvae Deposit Case Number Date Preparation Eggs Counted Per Ring 2 8/4/01 D 3 8/4/01 A	Number of Rings 14 68 d per Female: 1 Number of Rings	Eggs Direct Count 228 Eggs Direct Count 190 1239	Eggs Estimate Count 1238 Mean Pro Eggs Estimate Count	All Eggs Not Hatched oportion H	Eggs Not Hatched 10 atched: 0 Eggs Not Hatched	Eggs Hatched 1228 .99 Eggs Hatched
Sample ID: 020073 Sample Name: D03491 IP Replicate: B Larvae Deposit Case Number Date Preparation Eggs Counted Per Ring 2 8/1/01 R 18 20 18 21 1 Mean Eggs Produced per Female: 1238 Mean Eggs Hatched Replicate: C Larvae Deposit Case Number Date Preparation Eggs Counted Per Ring 2 8/4/01 D 3 8/4/01 A Mean Eggs Produced per Female: 715 Mean Eggs Hatched	Number of Rings 14 68 d per Female: 1 Number of Rings	Eggs Direct Count 228 Eggs Direct Count 190 1239	Eggs Estimate Count 1238 Mean Pro Eggs Estimate Count	All Eggs Not Hatched oportion H All Eggs Not Hatched	Eggs Not Hatched 10 atched: 0 Eggs Not Hatched 190 atched: 0	Eggs Hatched 1228 .99 Eggs Hatched
Sample ID: 020073 Sample Name: D03491 IP Replicate: B Larvae Deposit Case Number Date Preparation Eggs Counted Per Ring 2 8/1/01 R 18 20 18 21 1 Mean Eggs Produced per Female: 1238 Mean Eggs Hatched Replicate: C Larvae Deposit Case Number Date Preparation Eggs Counted Per Ring 2 8/4/01 D 3 8/4/01 A	Number of Rings 14 68 d per Female: 1 Number of Rings	Eggs Direct Count 228 Eggs Direct Count 190 1239	Eggs Estimate Count 1238 Mean Pro Eggs Estimate Count	All Eggs Not Hatched oportion H All Eggs Not Hatched	Eggs Not Hatched: 0 Eggs Not Hatched: 190 atched: 0 Eggs Not Eggs Not Hotched: 0	Eggs Hatched 1228 .99 Eggs Hatched 0
Sample ID: 020073 Sample Name: D03491 IP Replicate: B Larvae Deposit Case Number Date Preparation Eggs Counted Per Ring 2 8/1/01 R 18 20 18 21 1 Mean Eggs Produced per Female: 1238 Mean Eggs Hatched Replicate: C Larvae Deposit Case Number Date Preparation Eggs Counted Per Ring 2 8/4/01 D 3 8/4/01 A Mean Eggs Produced per Female: 715 Mean Eggs Hatched Replicate: D Larvae Deposit Case Number Date Preparation Eggs Counted Per Ring Replicate: D Larvae Deposit Case Number Date Preparation Eggs Counted Per Ring	Number of Rings 14 68 d per Female: 1 Number of Rings	Eggs Direct Count 228 Eggs Direct Count 190 1239 Eggs Direct	Eggs Estimate Count 1238 Mean Pro Eggs Estimate Count	All Eggs Not Hatched oportion H All Eggs Not Hatched oportion H All Eggs Not All Eggs Not	Eggs Not Hatched: 0 Eggs Not Hatched: 190 atched: 0	Eggs Hatched 1228 .99 Eggs Hatched 0

	V15/01	Α			995				
	C Deposit Date	Case Preparation	Eggs Counted Per Ring	Number of Rings	Eggs Direct Count	Eggs Estimate Count	All Eggs Not Hatched	Eggs Not Hatched	Eggs Hatched
Sample II	D: 02	0074	Sample Name: D03496 IPS	D-TT0603	-06 M	lethod: 1	00.5SGF	₹	
Wilming	iton, N	//A 018	887-1062			SD0 Site		N056	5286 4-0322
55 Jons		US Inc oad				•	ect:	•	10/8/0 01032

Tetra	Tech N	IUS Inc								Date	e:		10/8/0
55 Jor	nspin F	Road								Proj	ect:		01032
										SDC	3		5286
Wilmir	ngton, i	MA 018	87-1	1062						Site	:	N05	64-322
Sample	ID: 02	0118	Sam	ple Na	me: D	03504	IPS	D-TTUF02	2-06 M	ethod: 1	00.5SGF	₹	
Replicat	e: A								Saca	F	A !! C	5	
Larvae Number	Deposit Date	Case Preparation		Eggs C	ounted	Per Rinç	ı	Number of Rings	Eggs Direct Count	Eggs Estimate Count	All Eggs Not Hatched	Eggs Not Hatched	Eggs Hatched
2	8/3/01	R	18	18	16	18	16	67		1152		10	1142
3	8/6/01	Α							849		•		
5	8/10/01	R	18	20	23	19	19	74		1465		90	1375
Mean Eg	gs Produc	ed per Female	: 1156	5 N	Aean Eg	gs Hato	hed pe	er Female: 1	259	Mean Pr	oportion H	atched: 0	.96
Replicat	e: B								Eggs	Eggs	All Eggs	Eggs	
Larvae Number	Deposit Date	Case Preparation		Eggs C	ounted	Per Ring	ı	Number of Rings	Direct Count	Estimate Count	Not	Not Hatched	Eggs Hatched
4	8/4/01	R	17	22	25	22	18	55		1144		41	1103
5	8/5/01	A							454				
Mean Eg	gs Produc	ed per Female	799	N	Aean Eg	gs Hatc	hed pe	er Female: 1	103	Mean Pr	oportion H	atched: 0	.96
Replicat	e: C								5	F	A 11 5	c	
Larvae Number	Deposit Date	Case Preparation		Eggs C	ounted	Per Ring)	Number of Rings	Eggs Direct Count	Eggs Estimate Count	All Eggs Not Hatched	Eggs Not Hatched	Eggs Hatched
2	8/14/01	R	24	23	22	23	24	69		1601		346	1255
3	8/20/01	R	18	24	21	22	21	102		2162		64	2098
5	8/24/01	R	15	20	22	22	16	78		1482		8	1474
Mean Eg	gs Produc	ed per Female	: 1748	3 A	lean Eg	gs Hato	hed pe	er Female: 1	609	Mean Pr	oportion H	atched: 0	.92
Replicat	e: D								F	5	All Cana	5	
Larvae Number	Deposit Date	Case Preparation		Eggs C	ounted	Per Ring]	Number of Rings	Eggs Direct Count	Eggs Estimate Count	All Eggs Not Hatched	Eggs Not Hatched	Eggs Hatched
1	8/1/01	R	18	22	22	22	19	64		1318		12	1306
3	8/5/01	R	22	22	22	18	20	55		1144		30	1114

	Tech N nspin R	IUS Inc load						-		Date Proj		•	10/8/01 01032
Wilmir	ngton, I	MA 018	87-	1062	2					SDC Site	-	N05	5286 64-322
Sample	ID: 02	0118	Sam	ple N	lame: D	03504	IPSE)-TTUF02	2-06 M	lethod: 1	00.5SGF	₹	· · · · · · · · · · · · · · · · · · ·
Replicat Larvae Number	e: E Deposit Date	Case Preparation		Eggs	Counted	Per Ring		Number of Rings	Eggs Direct Count	Eggs Estimate Count	All Eggs Not Hatched	Eggs Not Hatched	Eggs Hatched
6	8/14/01	R	18	16	15	16	17	74		1214		14	1200
8	8/23/01	D							170			170	0
Mean Eg	gs Produc	ed per Female	692		Mean Eg	gs Hatch	ed pe	r Female: 6	500	Mean Pr	oportion H	atched: 0	.49
Replicat	e: F								_	_		_	
Larvae Number	Deposit Date	Case Preparation		Eggs	Counted	Per Ring		Number of Rings	Eggs Direct Count	Eggs Estimate Count	All Eggs Not Hatched	Eggs Not Hatched	Eggs Hatched
1	8/2/01	R	24	22	28	18	20	87		1949		355	1594
2	8/4/01	A							123				
Mean Eg	gs Produc	ed per Female	: 103	6	Mean Eg	gs Hatch	ed pe	er Female: 1	1594	Mean Pr	oportion H	atched: 0	.82
Replicat	e: G												
Larvae	Deposit	Case						Number	Eggs Direct	Eggs Estimate	All Eggs Not	Eggs Not	Eggs
Number	Date	Preparation		Eggs	Counted	Per Ring		of Rings	Count	Count	Hatched		
4	8/4/01	R	16	21	23	22	20	73		1489		26	1463
Mean Eg	gs Produc	ed per Female	148	9	Mean Eq	gs Hatch	ed pe	er Female: 1	1463	Mean Pr	oportion H	atched: 0).98

Tetra	Tech N	US Inc			_				_	Date	 e:	1	0/8/01
55 Jor	nspin R	oad								Proj	ect:		01032
										SDC	}		5286
Wilmir	ngton, I	MA 018	87-	1062	2					Site	•	N056	64-322
Sample	ID: 02	0119	Sam	pie N	ame: D	03510	IPSD	-TTUF03	-06 M	ethod: 10	00.5SGF	₹	
Replicat	e: D								Eggs	Ease	All Eage	Eggs	
Larvae Number	Deposit Date	Case Preparation		Eggs	Counted	Per Ring		Number of Rings	Direct Count	Eggs Estimate Count	All Eggs Not Hatched	Not Hatched	Eggs Hatched
3	8/8/01	R	18	19	18	20	16	67	,	1219		4	1215
Mean Eg	gs Produc	ed per Female	121	9	Mean Eg	gs Hatch	ned pe	r Female: 1	215	Mean Pr	oportion H	atched: 1	.00
Replicat Larvae Number	e: E Deposit Date	Case Preparation		Eggs	Counted	Per Ring	ı	Number of Rings	Eggs Direct Count	Eggs Estimate Count	All Eggs Not Hatched	Eggs Not Hatched	Eggs Hatched
1	8/17/01	R	20	21	20	24	22	76		1626		0	1626
3	8/20/01	R	22	22	21	20	23	69		1490		110	1380
Replicat Larvae Number	•	ed per Fernale Case Preparation			Counted		·	r Female: 1 Number of Rings	Eggs Direct Count	Eggs Estimate Count	All Eggs Not Hatched	Eggs Not	Eggs
												Hatchica	
1	8/3/01	A							788				
3	8/3/01 8/7/01	A R	20	20	22	22	20	42	788	874		13	861
3	8/7/01							42 er Female: 8		874	oportion H	N + -	
3	8/7/01 gs Produc	Ŕ		1,-00		igs Hatcl	ned pe			874	All Eggs Not	13	.99 Eggs
3 Mean Eg Replicat Larvae	8/7/01 gs Produc te: G Deposit	R ed per Female Case		1,-00	Mean Eg	igs Hatcl	ned pe	r Female: 8	Eggs Direct	874 Mean Pr Eggs Estimate	All Eggs Not	13 latched: 0 Eggs Not	.99 Eggs
3 Mean Eg Replicat Larvae Number	8/7/01 gs Producte: G Deposit Date 8/4/01	R ed per Female Case Preparation	: 831	Eggs	Mean Eg	gs Hatch	ned pe	r Female: 8	Eggs Direct Count	874 Mean Pr Eggs Estimate Count	All Eggs Not	13 atched: 0 Eggs Not Hatched	.99 Eggs
3 Mean Eg Replical Larvae Number 2 Mean Eg	8/7/01 gs Producte: G Deposit Date 8/4/01 gs Produc	R ed per Female Case Preparation A	: 831	Eggs	Mean Eg	gs Hatch	ned pe	Number of Rings	Eggs Direct Count 885	874 Mean Pr Eggs Estimate Count	All Eggs Not Hatched	13 Eggs Not Hatched	.99 Eggs
3 Mean Eg Replical Larvae Number 2 Mean Eg	8/7/01 gs Producte: G Deposit Date 8/4/01 gs Produc	R ed per Female Case Preparation A	: 831	Eggs	Mean Eg	gs Hatch	ned pe	Number of Rings	Eggs Direct Count	874 Mean Pr Eggs Estimate Count	All Eggs Not Hatched roportion H	13 atched: 0 Eggs Not Hatched	Eggs Hatched
3 Mean Eg Replicat Larvae Number 2 Mean Eg Replicat Larvae	8/7/01 gs Producte: G Deposit Date 8/4/01 gs Producte: H Deposit	R ed per Female Case Preparation A ed per Female Case	: 831	Eggs	Mean Eg	gs Hatch	ned pe	Number of Rings	Eggs Direct Count 885 Eggs Direct	874 Mean Pr Eggs Estimate Count Mean Pr Eggs Estimate	All Eggs Not Hatched roportion H	13 Eggs Not Hatched latched: Eggs Not	Eggs Hatched
3 Mean Eg Replical Larvae Number 2 Mean Eg Replical Larvae Number	8/7/01 gs Producte: G Deposit Date 8/4/01 gs Producte: H Deposit Date	R ed per Female Case Preparation A ed per Female Case Preparation	: 831	Eggs	Mean Eg	gs Hatch	ned pe	Number of Rings	Eggs Direct Count 885 Eggs Direct Count	874 Mean Pr Eggs Estimate Count Mean Pr Eggs Estimate	All Eggs Not Hatched roportion H	13 Eggs Not Hatched latched: Eggs Not	Eggs Hatched

ı етга	Tech N	US Inc								Date	::	1	0/8/01
55 Jor	ıspin R	oad								Proje	ect:		01032
	•									SDG	;		5286
Wilmir	ngton, N	MA 018	87-	1062						Site:		N056	54-322
Sample	ID: 02	0182	Sam	ple Na	ame: Co	ntrol			M	ethod: 10	0.5SGR		
Replicat	e: A								Eggs	Eggs	All Eggs	Eggs	
Larvae Number	Deposit Date	Case Preparation		Eggs (Counted P	er Ring		Number of Rings	Direct Count	Estimate Count	Not Hatched	Not Hatched	Eggs Hatched
3	8/8/01	R	17	24	23	22	16	61		1244	A		0
4	8/8/01	Α							1032				
Mean Eq	os Produc	ed per Female:	113	В	Mean Egg	s Hatch	ed pe	r Female: 0)	Mean Pr	oportion H	atched: 0	.00
•					•		·						
Replicat Larvae Number	e: B Deposit Date	Case Preparation		Eggs	Counted F	er Ring		Number of Rings	Eggs Direct Count	Eggs Estimate Count	All Eggs Not Hatched	Eggs Not Hatched	Eggs Hatched
		•											
5 Maan Eo	8/11/01	R ad per Female:	10	16	17 Mean Foo	20	12 ned pe	64 er Female: 9	148	960 Mean Pr	oportion H	12 atched: 0	948
Mean Eg Replicat Larvae	gs Producte: C Deposit	ed per Female:			Mean Egg	s Hatch	ned pe	r Female: 9	Eggs Direct	Mean Pr Eggs Estimate	All Eggs	atched: 0 Eggs Not	.99 Eggs
Mean Eg Replicat Larvae Number	gs Productie: C Deposit Date	ed per Female: Case Preparation	960	Eggs	Mean Egg	gs Hatch	ned pe	Number of Rings	Eggs	Mean Pr Eggs Estimate Count	All Eggs	Eggs Not Hatched	.99 Eggs Hatched
Mean Eg Replicat Larvae Number	gs Producte: C Deposit Date 8/10/01	Case Preparation	960	Eggs	Mean Egg Counted F	Per Ring	ned pe	Number of Rings	Eggs Direct	Mean Pr Eggs Estimate Count	All Eggs Not Hatched	atched: 0 Eggs Not	.99 Eggs
Mean Eg Replicat Larvae Number 5	gs Producte: C Deposit Date 8/10/01	Case Preparation R	15 21	Eggs 14 20	Mean Egg Counted F 16 20	Per Ring	16 19	Number of Rings 42 44	Eggs Direct Count	Mean Pr Eggs Estimate Count 638 880	All Eggs Not Hatched	Eggs Not Hatched	Eggs Hatched
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